

=> fil reg

FILE 'REGISTRY' ENTERED AT 13:19:55 ON 01 DEC 2005

=> d his ful

FILE 'HCAPLUS' ENTERED AT 08:01:02 ON 01 DEC 2005

L1 1 SEA ABB=ON PLU=ON US20050209356/PN

FILE 'REGISTRY' ENTERED AT 08:24:45 ON 01 DEC 2005

L2 5 SEA ABB=ON PLU=ON (105729-79-1/BI OR 191617-94-4/BI
OR 250364-00-2/BI OR 82184-29-0/BI OR 94469-86-0/BI)
D SCAN

L3 1 SEA ABB=ON PLU=ON 191617-94-4/RN

L4 1 SEA ABB=ON PLU=ON 250364-00-2/RN

L5 1 SEA ABB=ON PLU=ON 94469-86-0/RN

L6 34353 SEA ABB=ON PLU=ON POLF/PCT

L7 117589 SEA ABB=ON PLU=ON PSTY/PCT

L8 1 SEA ABB=ON PLU=ON ISOPRENE/CN

D RN

L9 2273 SEA ABB=ON PLU=ON 78-79-5/CRN

L10 2 SEA ABB=ON PLU=ON BUTADIENE/CN

D RN 1-2

L11 0 SEA ABB=ON PLU=ON 25339-57-5/CRN

L12 10017 SEA ABB=ON PLU=ON 106-99-0/CRN

L13 1 SEA ABB=ON PLU=ON STYRENE/CN

D RN

L14 1 SEA ABB=ON PLU=ON 100-42-5/RN

L15 71554 SEA ABB=ON PLU=ON 100-42-5/CRN

L16 77947 SEA ABB=ON PLU=ON L9 OR L12 OR L15

L17 9777 SEA ABB=ON PLU=ON L6 AND L7

L18 142165 SEA ABB=ON PLU=ON L6 OR L7

L19 16057 SEA ABB=ON PLU=ON L18 AND (EPOX? OR OXIRAN? OR
OXIRAL?)

L20 11873 SEA ABB=ON PLU=ON L16 AND (EPOX? OR OXIRAN? OR
OXIRAL?)

L21 2649 SEA ABB=ON PLU=ON L6 AND (EPOX? OR OXIRAN? OR
OXIRAL?)

FILE 'HCAPLUS' ENTERED AT 12:19:49 ON 01 DEC 2005

L22 10702 SEA ABB=ON PLU=ON L6 (L) (EPOX? OR OXIRAN? OR OXIRAL?)

L23 5757 SEA ABB=ON PLU=ON L21

L24 15701 SEA ABB=ON PLU=ON L22 OR L23

L25 10733 SEA ABB=ON PLU=ON L20

L26 10061 SEA ABB=ON PLU=ON L16 (L) (EPOX? OR OXIRAN? OR
OXIRAL?)

L27 2239 SEA ABB=ON PLU=ON L17 (L) (EPOX? OR OXIRAN? OR
OXIRAL?)

L28 100250 SEA ABB=ON PLU=ON L17

L29 26336 SEA ABB=ON PLU=ON (L22 OR L23 OR L24 OR L25 OR L26
OR L27)

L30 1959 SEA ABB=ON PLU=ON L28 (L) (HYDROX? OR OH)

FILE 'REGISTRY' ENTERED AT 12:26:26 ON 01 DEC 2005

L31 1368 SEA ABB=ON PLU=ON L17 AND (HYDROX? OR OH)

FILE 'HCAPLUS' ENTERED AT 12:27:24 ON 01 DEC 2005

L32 2676 SEA ABB=ON PLU=ON L30 OR L31

L33 282 SEA ABB=ON PLU=ON L32 AND L29 AND L28

L34 1 SEA ABB=ON PLU=ON L1 AND L28

FILE 'REGISTRY' ENTERED AT 12:58:00 ON 01 DEC 2005

L35 61 SEA ABB=ON PLU=ON 191617-94-4/CRN
 L36 0 SEA ABB=ON PLU=ON 250364-00-2/CRN
 L37 1 SEA ABB=ON PLU=ON 250364-00-2/RN
 L38 1 SEA ABB=ON PLU=ON 191617-94-4/RN
 L39 63 SEA ABB=ON PLU=ON L35 OR L37 OR L38
 L40 2 SEA ABB=ON PLU=ON L39 AND (EPOX? OR OXIRAN? OR
 OXIRAL?)

FILE 'HCAPLUS' ENTERED AT 13:00:35 ON 01 DEC 2005

L41 6 SEA ABB=ON PLU=ON L39(L) (EPOX? OR OXIRAN? OR
 OXIRAL?)
 L42 23 SEA ABB=ON PLU=ON L39 AND (EPOX? OR OXIRAN? OR
 OXIRAL?)
 L43 1 SEA ABB=ON PLU=ON L40
 D SCAN
 L44 72 SEA ABB=ON PLU=ON L39
 L45 24 SEA ABB=ON PLU=ON L42 OR L43
 L46 6 SEA ABB=ON PLU=ON L45 AND L28
 L47 1 SEA ABB=ON PLU=ON L46 AND L1
 L48 288 SEA ABB=ON PLU=ON L46 OR L33
 D QUE STAT L48
 L49 69 SEA ABB=ON PLU=ON L48 AND ADHES?
 L50 5 SEA ABB=ON PLU=ON L48 AND (UV OR ULTRAVOILET? OR
 ULTRA(A) VOILET) (2A) CUR?
 L51 43 SEA ABB=ON PLU=ON L49 AND PLASTIC?/SC,SX
 L52 6 SEA ABB=ON PLU=ON L48 AND (UV OR ULTRAVOILET? OR
 ULTRA(A) VOILET) (2A) (CUR? OR TREAT?)
 L53 48 SEA ABB=ON PLU=ON L51 OR L52
 L54 2 SEA ABB=ON PLU=ON L53 AND TACK?
 L55 1 SEA ABB=ON PLU=ON L53 AND PHOTOINIT?
 L56 48 SEA ABB=ON PLU=ON L53 OR L54 OR L55

=> d que 156

L6 34353 SEA FILE=REGISTRY ABB=ON PLU=ON POLF/PCT
 L7 117589 SEA FILE=REGISTRY ABB=ON PLU=ON PSTY/PCT
 L9 2273 SEA FILE=REGISTRY ABB=ON PLU=ON 78-79-5/CRN
 L12 10017 SEA FILE=REGISTRY ABB=ON PLU=ON 106-99-0/CRN
 L15 71554 SEA FILE=REGISTRY ABB=ON PLU=ON 100-42-5/CRN
 L16 77947 SEA FILE=REGISTRY ABB=ON PLU=ON L9 OR L12 OR L15
 L17 9777 SEA FILE=REGISTRY ABB=ON PLU=ON L6 AND L7
 L20 11873 SEA FILE=REGISTRY ABB=ON PLU=ON L16 AND (EPOX? OR
 OXIRAN? OR OXIRAL?)
 L21 2649 SEA FILE=REGISTRY ABB=ON PLU=ON L6 AND (EPOX? OR
 OXIRAN? OR OXIRAL?)
 L22 10702 SEA FILE=HCAPLUS ABB=ON PLU=ON L6(L) (EPOX? OR
 OXIRAN? OR OXIRAL?)
 L23 5757 SEA FILE=HCAPLUS ABB=ON PLU=ON L21
 L24 15701 SEA FILE=HCAPLUS ABB=ON PLU=ON L22 OR L23
 L25 10733 SEA FILE=HCAPLUS ABB=ON PLU=ON L20
 L26 10061 SEA FILE=HCAPLUS ABB=ON PLU=ON L16(L) (EPOX? OR
 OXIRAN? OR OXIRAL?)
 L27 2239 SEA FILE=HCAPLUS ABB=ON PLU=ON L17(L) (EPOX? OR
 OXIRAN? OR OXIRAL?)
 L28 100250 SEA FILE=HCAPLUS ABB=ON PLU=ON L17
 L29 26336 SEA FILE=HCAPLUS ABB=ON PLU=ON (L22 OR L23 OR L24 OR
 L25 OR L26 OR L27)

L30 1959 SEA FILE=HCAPLUS ABB=ON PLU=ON L28(L) (HYDROX? OR OH)
 L31 1368 SEA FILE=REGISTRY ABB=ON PLU=ON L17 AND (HYDROX? OR OH)
 L32 2676 SEA FILE=HCAPLUS ABB=ON PLU=ON L30 OR L31
 L33 282 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND L29 AND L28
 L35 61 SEA FILE=REGISTRY ABB=ON PLU=ON 191617-94-4/CRN
 L37 1 SEA FILE=REGISTRY ABB=ON PLU=ON 250364-00-2/RN
 L38 1 SEA FILE=REGISTRY ABB=ON PLU=ON 191617-94-4/RN
 L39 63 SEA FILE=REGISTRY ABB=ON PLU=ON L35 OR L37 OR L38
 L40 2 SEA FILE=REGISTRY ABB=ON PLU=ON L39 AND (EPOX? OR OXIRAN? OR OXIRAL?)
 L42 23 SEA FILE=HCAPLUS ABB=ON PLU=ON L39 AND (EPOX? OR OXIRAN? OR OXIRAL?)
 L43 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L40
 L45 24 SEA FILE=HCAPLUS ABB=ON PLU=ON L42 OR L43
 L46 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L45 AND L28
 L48 288 SEA FILE=HCAPLUS ABB=ON PLU=ON L46 OR L33
 L49 69 SEA FILE=HCAPLUS ABB=ON PLU=ON L48 AND ADHES?
 L51 43 SEA FILE=HCAPLUS ABB=ON PLU=ON L49 AND PLASTIC?/SC,SX
 L52 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L48 AND (UV OR ULTRAVOILET? OR ULTRA(A)VOILET) (2A) (CUR? OR TREAT?)
 L53 48 SEA FILE=HCAPLUS ABB=ON PLU=ON L51 OR L52
 L54 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L53 AND TACK?
 L55 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L53 AND PHOTOINIT?
 L56 48 SEA FILE=HCAPLUS ABB=ON PLU=ON L53 OR L54 OR L55

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 13:20:12 ON 01 DEC 2005

=> d l56 1-48 ibib abs hitstr hitind

L56 ANSWER 1 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:1026625 HCAPLUS

DOCUMENT NUMBER: 143:287666

TITLE: UV-curable

pressure-sensitive adhesives

INVENTOR(S): Erickson, James R.

PATENT ASSIGNEE(S): Kraton Polymers U.S. LLC, USA

SOURCE: U.S. Pat. Appl. Publ., 10 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005209356	A1	20050922	US 2004-803071	2004 0316

PRIORITY APPLN. INFO.: US 2004-803071

2004
0316

AB UV curable adhesives comprise epoxidized monohydroxylated polydiene polymers 15-35,

hydrogenated hydroxylated polydiene polymers 10-30, and selectively hydrogenated star-block copolymers 1-10, tackifier 30-70, and photoinitiator 0.01-3%. The adhesive formulations provide both excellent room temperature properties of tack and peel and excellent holding power at $\leq 95^\circ$. An example adhesive contained L-207 30.12, L-2203 13.73, G 1780 4.00, tackifier 50.00, photoinitiator UVE 1014 2.00 and antioxidant 0.15%.

IT 191617-94-4, Kraton Liquid L 2203 250364-00-2, Kraton Liquid L 207 (UV curable pressure sensitive adhesives with excellent peel strength and high temperature holding power)
 RN 191617-94-4 HCAPLUS
 CN Kraton Liquid L 2203 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 RN 250364-00-2 HCAPLUS
 CN Kraton Liquid L 207 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 IT 105729-79-1D, hydrogenated, block, star-block (isoprene-styrene rubber; UV curable pressure sensitive adhesives with excellent peel strength and high temperature holding power)
 RN 105729-79-1 HCAPLUS
 CN Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene, block (9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5
 CMF C8 H8

$\text{H}_2\text{C}=\text{CH}-\text{Ph}$

CM 2

CRN 78-79-5
 CMF C5 H8

$\begin{array}{c} \text{CH}_2 \\ || \\ \text{H}_3\text{C}-\text{C}-\text{CH}=\text{CH}_2 \end{array}$

IC ICM C08L053-00
 INCL 522006000
 CC 38-3 (Plastics Fabrication and Uses)
 Section cross-reference(s): 37
 ST hydrogenated star block copolymer UV curable adhesive; epoxidized monohydroxylated polydiene UV curable adhesive; hydroxylated hydrogenated polydiene UV curable adhesive

- IT Petroleum resins
(aromatic, hydrogenated; **UV curable** pressure sensitive **adhesives** with excellent peel strength and high temperature holding power)
- IT Isoprene-styrene rubber
(hydrogenated, block, star-block; **UV curable** pressure sensitive **adhesives** with excellent peel strength and high temperature holding power)
- IT **Adhesives**
(photocurable, pressure-sensitive; **UV curable** pressure sensitive **adhesives** with excellent peel strength and high temperature holding power)
- IT 82184-29-0, Bis(dodecylphenyl)iodonium hexafluoroantimonate
94469-86-0, UVE 1014
(**UV curable** pressure sensitive **adhesives** with excellent peel strength and high temperature holding power)
- IT 191617-94-4, Kraton Liquid L 2203 250364-00-2,
Kraton Liquid L 207
(**UV curable** pressure sensitive **adhesives** with excellent peel strength and high temperature holding power)
- IT 105729-79-1D, hydrogenated, block, star-block
(isoprene-styrene rubber; **UV curable** pressure sensitive **adhesives** with excellent peel strength and high temperature holding power)

L56 ANSWER 2 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:1003210 HCAPLUS

DOCUMENT NUMBER: 143:307536

TITLE: Adhesive compositions, rubber reinforcement materials therewith, rubber goods, tires, and binding method therewith

INVENTOR(S): Giza, Emil

PATENT ASSIGNEE(S): Bridgestone Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2005247954	A2	20050915	JP 2004-58667	2004 0303

PRIORITY APPLN. INFO.: JP 2004-58667

2004
0303

AB Title comps., which can be used in binding process without solvent removal, contain **UV-curable**, radiation-curable or thermally curable styrene (I; preferably at 5-40% content)-butadiene copolymers having weight-average mol. weight of 500-100,000. The PET cords were soaked in an undercoat composition containing 18% I-containing methacryloyloxy group-terminated SBR (A) 10, an epoxy novolak acrylate 10, SR 285 21, ADG 400 16, Kayarad R 712 20, Kayarad THE 300 20, and Kayacure

DETX-S 3 parts, UV-cured, then soaked in an adhesive composition containing A 50, 4-vinylpyridine 15, APG 400 20, Kayarad THE 300 12, and Kayacure DETX-S 3 parts, UV-cured, embedded in a natural rubber composition, and vulcanized at 160° for 20 min to form a composite with cord/rubber adhesion of 24 N/per cord at 30 cm/min peeling rate and residual rubber content 90%.

IT 9003-55-8D, hydroxy-terminated
(styrene-butadiene rubber, (meth)acryloxy or epoxy group-terminated, with controlled styrene content and weight-average mol. weight; adhesives containing UV-, radiation-, or thermally curable SBR for reinforcing cords for tires)

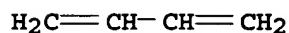
RN 9003-55-8 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

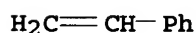
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



IC ICM C09J109-06
ICS B60C001-00; C09J005-00; C09J005-02; C09J163-00

CC 39-13 (Synthetic Elastomers and Natural Rubber)

ST UV curable SBR adhesive reinforcing cord
rubber adhesion tire; radiation curable SBR adhesive reinforcing cord rubber adhesion tire; thermally curable SBR adhesive reinforcing cord rubber adhesion tire

IT Adhesives
(radiation-curable; adhesives containing UV-, radiation-, or thermally curable SBR for reinforcing cords for tires)

IT 9003-55-8D, hydroxy-terminated
(styrene-butadiene rubber, (meth)acryloxy or epoxy group-terminated, with controlled styrene content and weight-average mol. weight; adhesives containing UV-, radiation-, or thermally curable SBR for reinforcing cords for tires)

L56 ANSWER 3 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:143434 HCAPLUS

DOCUMENT NUMBER: 138:188962

TITLE: Curable polymer compositions with improved adhesion

INVENTOR(S): Sato, Shinichi; Okawara, Yoshiaki; Hirata, Tadayoshi; Kawashima, Koichiro

PATENT ASSIGNEE(S): Konishi Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003055555	A2	20030226	JP 2001-246005	2001 0814

PRIORITY APPLN. INFO.: JP 2001-246005
 2001
 0814

AB The compns. comprise (I) polymers prepared by reaction of (A) polyol compds. or polycarboxylic acid compds. with (B) ≥ 0.5 equiv (based on active H of the hydroxy groups or carboxyl groups) compds. having < 2 isocyanate groups, which are prepared by reaction of (a) compds. having ≥ 2 isocyanate groups with (b) compds. having mercapto groups or secondary amino groups and hydrolyzable groups chosen from alkoxy groups, acetoxy groups, and oxime groups connected to 1-3 Si or (c) compds. having < 2 active H due to secondary amino groups and hydrolyzable groups connected to 1-10 Si [prepared from (d) compds. having organic groups containing primary amino groups, secondary amino groups, and/or (meth)acryloyl groups and hydrolyzable groups connected to 1-10 Si and (e) compds. giving secondary amino group-containing compds. by reaction with the organic groups in (d)] and (II) unreactive hot-melt polymers. Thus, 300 parts polymer prepared by reaction of KBM 602 [N- β -aminoethyl- γ -aminopropylmethyldimethoxysilane] with 2-ethylhexyl acrylate, Desmodur W (4,4'-dicyclohexylmethane diisocyanate), and 2,4-diethyl-1,5-pentanediol was mixed with Arkon M 70 (alicyclic saturated hydrocarbon resin) 80, Septon 2063 (SEPS) 100, and Arkon P 100 (alicyclic saturated hydrocarbon resin) 120 parts to give a heat-resistant adhesive.

IT 191617-94-4DP, KLP-L 2203, polymers 499126-46-4DP
 , reaction products
 (curable polymer compns. with improved adhesion)

RN 191617-94-4 HCAPLUS

CN Kraton Liquid L 2203 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 499126-46-4 HCAPLUS

CN Bicyclo[2.2.1]heptane, 2,5(or 2,6)-bis(isocyanatomethyl)-, polymer with Kraton Liquid L 2203 (9CI) (CA INDEX NAME)

CM 1

CRN 191617-94-4

CMF Unspecified

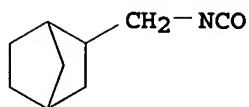
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 74091-64-8

CMF C11 H14 N2 O2
CCI IDS



D1-CH₂-NCO

IT 105729-79-1 700836-36-8
(isoprene-styrene rubber; hydrogenated, block, triblock, Septon
2063, curable polymer compns. with improved adhesion)
RN 105729-79-1 HCAPLUS
CN Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene, block
(9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

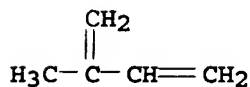
CMF C8 H8

H₂C=CH-Ph

CM 2

CRN 78-79-5

CMF C5 H8



RN 700836-36-8 HCAPLUS
CN Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene, triblock
(9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

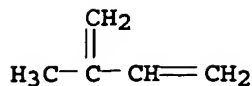
CMF C8 H8

H₂C=CH-Ph

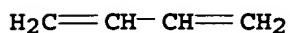
CM 2

CRN 78-79-5

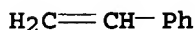
CMF C5 H8



IT 106107-54-4
 (styrene-butadiene rubber, block, Kraton D-KX 65, Bond GP 100;
 curable polymer compns. with improved **adhesion**)
 RN 106107-54-4 HCAPLUS
 CN Benzene, ethenyl-, polymer with 1,3-butadiene, block (9CI) (CA
 INDEX NAME)
 CM 1
 CRN 106-99-0
 CMF C4 H6



CM 2
 CRN 100-42-5
 CMF C8 H8



IC ICM C08L083-08
 ICS C08L075-04; C08L101-00
 CC 38-3 (Plastics Fabrication and Uses).
 ST **adhesive** heat resistance alicyclic hydrocarbon resin
 SEPS; aminoethylaminopropyl methoxysilane ethylhexyl acrylate
 cyclohexylmethane isocyanate ethylpentanediol
 IT Petroleum resins
 (alicyclic, hydrogenated, Arkon P 100, Arkon M 100; curable
 polymer compns. with improved **adhesion**)
 IT Styrene-butadiene rubber, uses
 (block, Kraton D-KX 65, Bond GP 100; curable polymer compns.
 with improved **adhesion**)
 IT Polyurethanes, uses
 (curable polymer compns. with improved **adhesion**)
 IT **Epoxy** resins, uses
 (curable polymer compns. with improved **adhesion**)
 IT **Adhesives**
 (heat-resistant; curable polymer compns. with improved
adhesion)
 IT Rosin
 (hydrogenated, Foral AX, reaction products; curable polymer
 compns. with improved **adhesion**)
 IT Isoprene-styrene rubber
 (hydrogenated, block, triblock, Septon 2063; curable polymer
 compns. with improved **adhesion**)
 IT Terpenes, uses
 (polymers with phenol, reaction products; curable polymer

- compns. with improved **adhesion**)
- IT Phenols, uses
(polymers with terpenes, reaction products; curable polymer compns. with improved **adhesion**)
- IT Terpenes, uses
(polymers, with phenols, reaction products; curable polymer compns. with improved **adhesion**)
- IT Hydrocarbons, uses
(resins, alicyclic, saturated; curable polymer compns. with improved **adhesion**)
- IT 71-36-3DP, Butyl alcohol, polymers 78-81-9DP, Isobutylamine, polymers 96-33-3DP, Methyl acrylate, polymers 101-68-8DP, 4,4'-MDI, polymers 103-11-7DP, 2-Ethylhexyl acrylate, polymers 107-13-1DP, Acrylonitrile, polymers 108-32-7DP, Propylene carbonate, polymers 111-26-2DP, Hexylamine, polymers 112-55-0DP, Laurylmercaptan, polymers 141-05-9DP, Diethyl maleate, polymers 141-32-2DP, Butyl acrylate, polymers 2612-26-2DP, 2-Butyl-1,3-propanediol, polymers 3068-76-6DP, KBM 573, polymers 3069-29-2DP, KBM 602, polymers 3663-44-3DP, KBM 902, polymers 3779-63-3DP, HDI isocyanurate trimer, polymers 4083-64-1DP, p-Toluenesulfonyl isocyanate, polymers 4098-71-9DP, IPDI, polymers 4369-14-6DP, KBM 5103, polymers 4813-57-4DP, Stearyl acrylate, polymers 5124-30-1DP, 4,4'-Dicyclohexylmethane diisocyanate, polymers 9003-17-2DP, Polybutadiene, hydrogenated, hydroxy-terminated, polymers 13822-56-5DP, KBM 903, polymers 24801-88-5DP, KBE 9007, polymers 26471-62-5DP, TDI, polymers 31001-77-1DP, KBM 802, polymers 42170-25-2DP, polymers 57987-55-0DP, 2,4-Diethyl-1,5-pentanediol, polymers 74091-64-8DP, Norbornane diisocyanate, polymers 75138-76-0DP, Takenate 600, polymers 79103-62-1DP, Desmodur W, polymers 88403-23-0DP, Sumidur 44S, polymers 88507-04-4DP, Polytail HA, polymers 102577-45-7DP, Sumidur T 80, polymers 127464-53-3DP, Sumidur N 3500, polymers 156831-37-7DP, Nikanol K 140, reaction products 191617-94-4DP, KLP-L 2203, polymers 265325-27-7DP, YP 90, polymers 356794-12-2DP, Desmodur 44S, polymers 499126-46-4DP, reaction products 499202-87-8DP, Nikanol K 1405, polymers 499203-11-1DP, Nikanol K 1005, polymers
(curable polymer compns. with improved **adhesion**)
- IT 126-99-8D, Chloroprene, polymers 9010-79-1, Ubetac UT 2535 25068-38-6, Epikote 828 108421-99-4, Bond G 10 356793-94-7, Arkon M 70
(curable polymer compns. with improved **adhesion**)
- IT 105729-79-1 700836-36-8
(isoprene-styrene rubber, hydrogenated, block, triblock, Septon 2063; curable polymer compns. with improved **adhesion**)
- IT 106107-54-4
(styrene-butadiene rubber, block, Kraton D-KX 65, Bond GP 100; curable polymer compns. with improved **adhesion**)

L56 ANSWER 4 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:886162 HCAPLUS

DOCUMENT NUMBER: 137:371583

TITLE: Preparation of less-foaming latexes for offset printing-paper coatings with good printability

INVENTOR(S): Fujita, Kazuyo; Miwata, Hiroshi; Katayama, Yoshinobu

PATENT ASSIGNEE(S): Nippon A and L Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002332315	A2	20021122	JP 2001-138922	2001 0509

PRIORITY APPLN. INFO.: JP 2001-138922
 2001
 0509

AB The latexes are prepared from aliphatic conjugated diolefins 10-80, ethylenic unsatd. carboxylic acid 0.5-10, monoolefins 10-89.5, $\text{CH}_3(\text{CH}_2)_n\text{CH}[\text{O}(\text{AO})_m\text{SO}_3\text{M}]\text{CH}_2\text{OCH}_2\text{CH}:\text{CH}_2$ (A = C2-10 alkylene; n = 1-100; m = 2-15; M = Na, K, NH₄) 0.1-10, and optionally cyclic hydrocarbons bearing one endocyclic unsatd. group 0.1-30 parts. Thus, a latex of a core-shell graft polymer prepared from butadiene, styrene, Me methacrylate, hydroxyethyl acrylate, itaconic acid, cyclohexene, and $\text{CH}_3(\text{CH}_2)_{10}\text{CH}[\text{O}(\text{CH}_2\text{CH}_2\text{O})_{10}\text{SO}_3\text{NH}_4]\text{CH}_2\text{OCH}_2\text{CH}:\text{CH}_2$ gave a paper coating material showing good machinability and less foaming. Paper coated with the coating material showed RI Wet Pick 5, RI Dry Pick 5, and good ink adhesion.

IT 475598-07-3P 475598-08-4P, Butadiene-cyclohexene-ethylene oxide-2-hydroxyethyl acrylate-itaconic acid-methyl methacrylate-styrene graft copolymer
 475598-11-9P 475598-14-2P 475598-15-3P
 475598-16-4P 475598-17-5P 475598-18-6P
 475598-19-7P 475598-20-0P 475598-21-1P
 475598-22-2P 475598-23-3P 475598-24-4P

(core-shell; preparation of less-foaming latexes for offset printing-paper coatings with good printability)

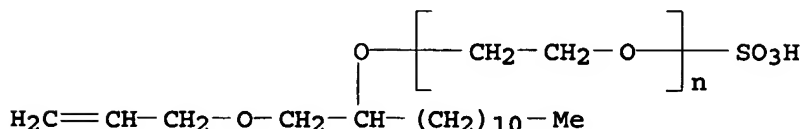
RN 475598-07-3 HCAPLUS
 CN Butanedioic acid, methylene-, polymer with 1,3-butadiene, cyclohexene, ethenylbenzene, 2-hydroxyethyl 2-propenoate, methyl 2-methyl-2-propenoate and α -sulfo- ω -[[1-[(2-propenyloxy)methyl]dodecyl]oxy]poly(oxy-1,2-ethanediyl) ammonium salt, graft (9CI) (CA INDEX NAME)

CM 1

CRN 475598-06-2

CMF (C2 H4 O)_n C16 H32 O5 S . H3 N

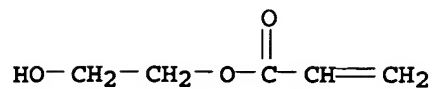
CCI PMS



● NH₃

CM 2

CRN 818-61-1
CMF C5 H8 O3



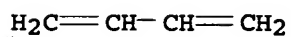
CM 3

CRN 110-83-8
CMF C6 H10



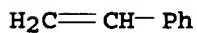
CM 4

CRN 106-99-0
CMF C4 H6



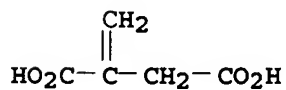
CM 5

CRN 100-42-5
CMF C8 H8



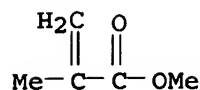
CM 6

CRN 97-65-4
CMF C5 H6 O4



CM 7

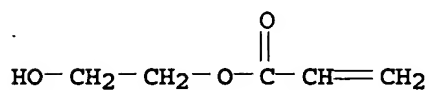
CRN 80-62-6
CMF C5 H8 O2



RN 475598-08-4 HCAPLUS
CN Butanedioic acid, methylene-, polymer with 1,3-butadiene, cyclohexene, ethenylbenzene, 2-hydroxyethyl 2-propenoate, methyl 2-methyl-2-propenoate and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 818-61-1
CMF C5 H8 O3



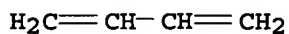
CM 2

CRN 110-83-8
CMF C6 H10



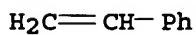
CM 3

CRN 106-99-0
CMF C4 H6



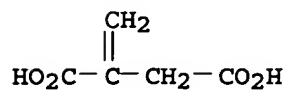
CM 4

CRN 100-42-5
CMF C8 H8



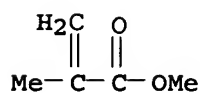
CM 5

CRN 97-65-4
CMF C5 H6 O4



CM 6

CRN 80-62-6
CMF C5 H8 O2



CM 7

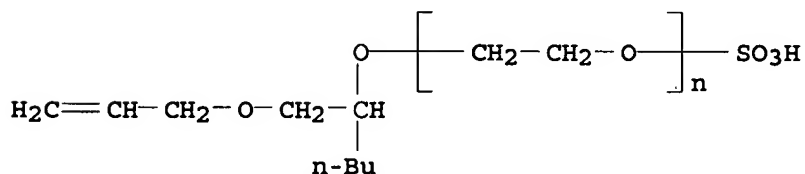
CRN 75-21-8
CMF C2 H4 O



RN 475598-11-9 HCAPLUS
CN Butanedioic acid, methylene-, polymer with 1,3-butadiene, cyclohexene, ethenylbenzene, 2-hydroxyethyl 2-propenoate, methyl 2-methyl-2-propenoate and α -sulfo- ω -[[1-[(2-propenyloxy)methyl]pentyl]oxy]poly(oxy-1,2-ethanediyl) ammonium salt, graft (9CI) (CA INDEX NAME)

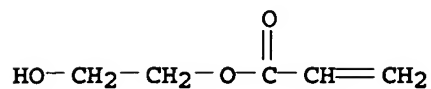
CM 1

CRN 475598-10-8
CMF (C2 H4 O)_n C9 H18 O5 S . H3 N
CCI PMS



CM 2

CRN 818-61-1
CMF C5 H8 O3



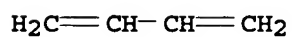
CM 3

CRN 110-83-8
CMF C6 H10



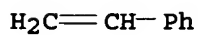
CM 4

CRN 106-99-0
CMF C4 H6



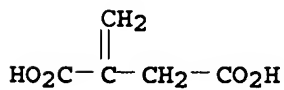
CM 5

CRN 100-42-5
CMF C8 H8



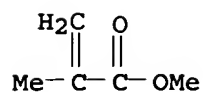
CM 6

CRN 97-65-4
CMF C5 H6 O4



CM 7

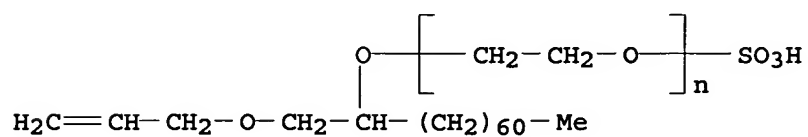
CRN 80-62-6
CMF C5 H8 O2



RN	475598-14-2	HCAPLUS
CN	Butanedioic acid, methylene-, polymer with 1,3-butadiene, cyclohexene, ethenylbenzene, 2-hydroxyethyl 2-propenoate, methyl 2-methyl-2-propenoate and α -sulfo- ω -[[1-[(2- propenyloxy)methyl]dohexacontyl]oxy]poly(oxy-1,2-ethanediyl) ammonium salt, graft (9CI) (CA INDEX NAME)	

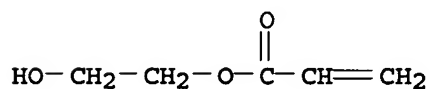
CM 1

CRN 475598-13-1
CMF (C2 H4 O)n C66 H132 O5 S . H3 N
CCI PMS



CM 2

CRN 818-61-1
CMF C5 H8 O3



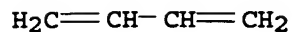
CM 3

CRN 110-83-8
CMF C6 H10



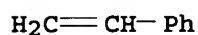
CM 4

CRN 106-99-0
CMF C4 H6



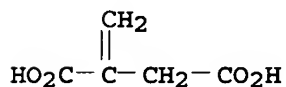
CM 5

CRN 100-42-5
CMF C8 H8



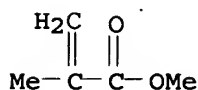
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CRN 97-65-4
CMF C5 H6 O4



CM 7

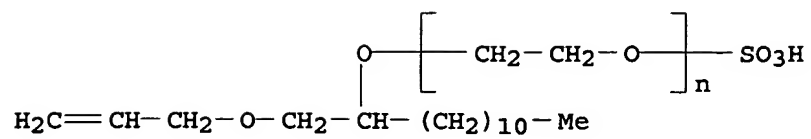
CRN 80-62-6
CMF C5 H8 O2



RN 475598-15-3 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
1,3-butadiene, cyclohexene, ethenylbenzene, 2-hydroxyethyl
2-propenoate, 2-propenoic acid and α -sulfo- ω -[[1-[(2-
propenyloxy)methyl]dodecyl]oxy]poly(oxy-1,2-ethanediyl) ammonium
salt, graft (9CI) (CA INDEX NAME)

CM 1

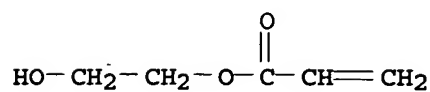
CRN 475598-06-2
CMF (C2 H4 O)_n C16 H32 O5 S . H3 N
CCI PMS



CM 2

CRN 818-61-1

CMF C5 H8 O3



CM 3

CRN 110-83-8

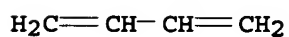
CMF C6 H10



CM 4

CRN 106-99-0

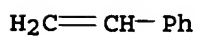
CMF C4 H6



CM 5

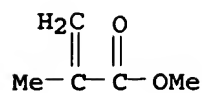
CRN 100-42-5

CMF C8 H8



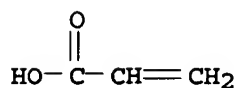
CM 6

CRN 80-62-6
CMF C5 H8 O2



CM 7

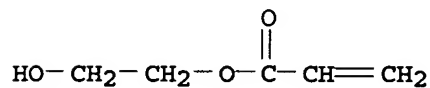
CRN 79-10-7
CMF C3 H4 O2



RN 475598-16-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
1,3-butadiene, cyclohexene, ethenylbenzene, 2-hydroxyethyl
2-propenoate, oxirane and 2-propenoic acid, graft (9CI) (CA INDEX
NAME)

CM 1

CRN 818-61-1
CMF C5 H8 O3



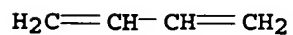
CM 2

CRN 110-83-8
CMF C6 H10



CM 3

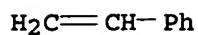
CRN 106-99-0
CMF C4 H6



CM 4

CRN 100-42-5

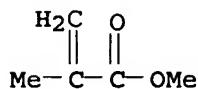
CMF C8 H8



CM 5

CRN 80-62-6

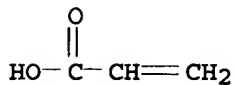
CMF C5 H8 O2



CM 6

CRN 79-10-7

CMF C3 H4 O2



CM 7

CRN 75-21-8

CMF C2 H4 O



RN 475598-17-5 HCAPLUS

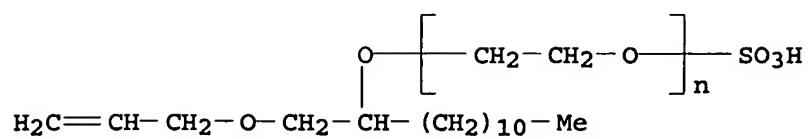
CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene, cyclohexene, ethenylbenzene, 2-hydroxyethyl 2-propenoate and α -sulfo- ω -[[1-[(2-propenyloxy)methyl]dodecyl]oxy]poly(oxy-1,2-ethanediyl) ammonium salt, graft (9CI) (CA INDEX NAME)

CM 1

CRN 475598-06-2

CMF (C2 H4 O)_n C16 H32 O5 S . H3 N

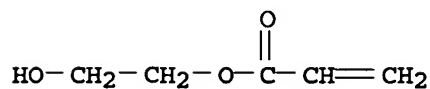
CCI PMS



CM 2

CRN 818-61-1

CMF C5 H8 O3



CM 3

CRN 110-83-8

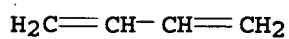
CMF C6 H10



CM 4

CRN 106-99-0

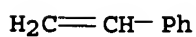
CMF C4 H6



CM 5

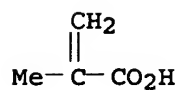
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CMF C8 H8



CM 6

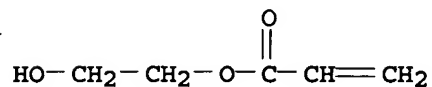
CRN 79-41-4
CMF C4 H6 O2



RN 475598-18-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene, cyclohexene, ethenylbenzene, 2-hydroxyethyl 2-propenoate and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 818-61-1
CMF C5 H8 O3



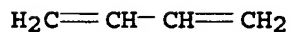
CM 2

CRN 110-83-8
CMF C6 H10



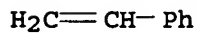
CM 3

CRN 106-99-0
CMF C4 H6



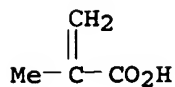
CM 4

CRN 100-42-5
CMF C8 H8



CM 5

CRN 79-41-4
CMF C4 H6 O2



CM 6

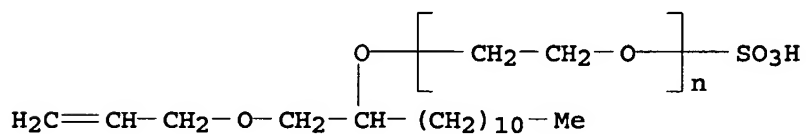
CRN 75-21-8
CMF C2 H4 O



RN - 475598-19-7 HCAPLUS
CN Butanedioic acid, methylene-, polymer with 1,3-butadiene, cyclohexene, ethenylbenzene, 2-propenamide, 2-propenenitrile, 2-propenoic acid and α -sulfo- ω -[[1-[(2-propenyloxy)methyl]dodecyl]oxy]poly(oxy-1,2-ethanediyl) ammonium salt, graft (9CI) (CA INDEX NAME)

CM 1

CRN 475598-06-2
CMF (C2 H4 O)_n C16 H32 O5 S . H3 N
CCI PMS



CM 2

CRN 110-83-8
CMF C6 H10



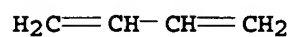
CM 3

CRN 107-13-1
CMF C3 H3 N



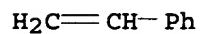
CM 4

CRN 106-99-0
CMF C4 H6



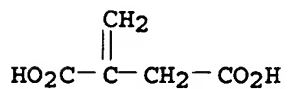
CM 5

CRN 100-42-5
CMF C8 H8



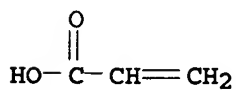
CM 6

CRN 97-65-4
CMF C5 H6 O4



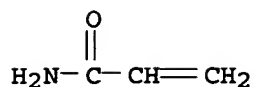
CM 7

CRN 79-10-7
CMF C3 H4 O2



CM 8

CRN 79-06-1
CMF C3 H5 N O



RN 475598-20-0 HCAPLUS
CN Butanedioic acid, methylene-, polymer with 1,3-butadiene,
cyclohexene, ethenylbenzene, oxirane, 2-propenamide,
2-propenenitrile and 2-propenoic acid, graft (9CI) (CA INDEX
NAME)

CM 1

CRN 110-83-8

CMF C6 H10



CM 2

CRN 107-13-1

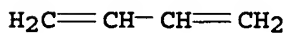
CMF C3 H3 N



CM 3

CRN 106-99-0

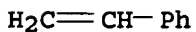
CMF C4 H6



CM 4

CRN 100-42-5

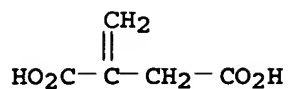
CMF C8 H8



CM 5

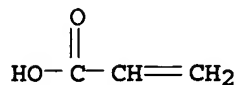
CRN 97-65-4

CMF C5 H6 O4



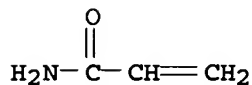
CM 6

CRN 79-10-7
CMF C3 H4 O2



CM 7

CRN 79-06-1
CMF C3 H5 N O



CM 8

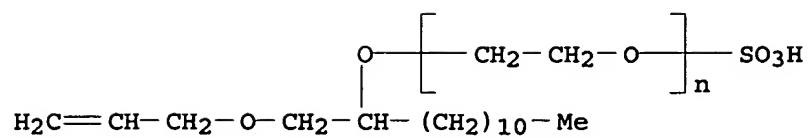
CRN 75-21-8
CMF C2 H4 O



RN 475598-21-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene, cyclohexene, ethenylbenzene, methyl 2-methyl-2-propenoate and α -sulfo- ω -[[1-[(2-propenyloxy)methyl]dodecyl]oxy]poly(oxy-1,2-ethanediyl) ammonium salt, graft (9CI) (CA INDEX NAME)

CM 1

CRN 475598-06-2
CMF (C2 H4 O)_n C16 H32 O5 S . H3 N
CCI PMS



CM 2

CRN 110-83-8

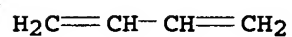
CMF C6 H10



CM 3

CRN 106-99-0

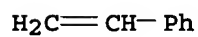
CMF C4 H6



CM 4

CRN 100-42-5

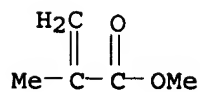
CMF C8 H8



CM 5

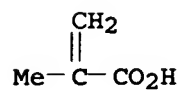
CRN 80-62-6

CMF C5 H8 O2



CM 6

CRN 79-41-4
CMF C4 H6 O2



RN 475598-22-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene, cyclohexene, ethenylbenzene, methyl 2-methyl-2-propenoate and oxirane, graft (9CI) (CA INDEX NAME)

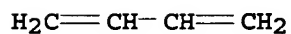
CM 1

CRN 110-83-8
CMF C6 H10



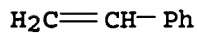
CM 2

CRN 106-99-0
CMF C4 H6



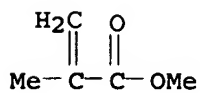
CM 3

CRN 100-42-5
CMF C8 H8



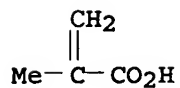
CM 4

CRN 80-62-6
CMF C5 H8 O2



CM 5

CRN 79-41-4
CMF C4 H6 O2



CM 6

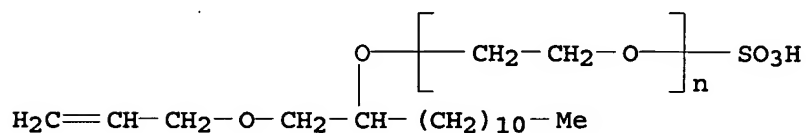
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RN 475598-23-3 HCAPLUS
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CM 1

CRN 475598-06-2
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CCI PMS



CM 2

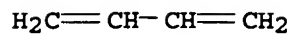
CRN 107-13-1
CMF C3 H3 N



CM 3

CRN 106-99-0

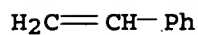
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CM 4

CRN 100-42-5

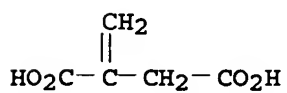
CMF C8 H8



CM 5

CRN 97-65-4

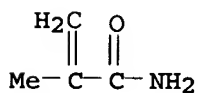
CMF C5 H6 O4



CM 6

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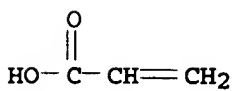
CMF C4 H7 N O



CM 7

CRN 79-10-7

CMF C3 H4 O2



CM 8

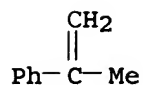
CRN 6144-04-3

CMF (C9 H10) 2

CCI PMS

CM 9

CRN 98-83-9
CMF C9 H10



RN 475598-24-4 HCAPLUS
CN Butanedioic acid, methylene-, polymer with 1,3-butadiene, ethenylbenzene, (1-methylethenyl)benzene dimer, 2-methyl-2-propenamide, oxirane, 2-propenenitrile and 2-propenoic acid, graft (9CI) (CA INDEX NAME)

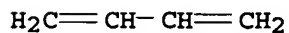
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CRN 107-13-1
CMF C3 H3 N



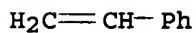
CM 2

CRN 106-99-0
CMF C4 H6



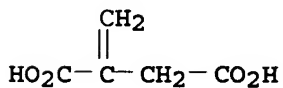
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CRN 100-42-5
CMF C8 H8



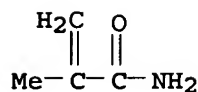
CM 4

CRN 97-65-4
CMF C5 H6 O4



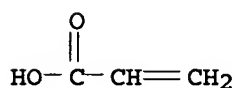
CM 5

CRN 79-39-0
CMF C4 H7 N O



CM 6

CRN 79-10-7
CMF C3 H4 O2



CM 7

CRN 75-21-8
CMF C2 H4 O

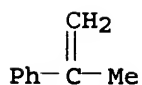


CM 8

CRN 6144-04-3
CMF (C9 H10)2
CCI PMS

CM 9

CRN 98-83-9
CMF C9 H10



IC ICM C08F236-06
ICS C08F232-04; C08F290-00; D21H019-36; D21H019-58
CC 43-7 (Cellulose, Lignin, Paper, and Other Wood Products)
Section cross-reference(s): 37
IT 475598-07-3P 475598-08-4P, Butadiene-cyclohexene-
ethylene oxide-2-hydroxyethyl acrylate-itaconic
acid-methyl methacrylate-styrene graft copolymer
475598-11-9P 475598-14-2P 475598-15-3P
475598-16-4P 475598-17-5P 475598-18-6P
475598-19-7P 475598-20-0P 475598-21-1P

475598-22-2P 475598-23-3P 475598-24-4P

(core-shell; preparation of less-foaming latexes for offset printing-paper coatings with good printability)

L56 ANSWER 5 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:796369 HCAPLUS

DOCUMENT NUMBER: 135:337051

TITLE: Radiation sensitive resin composition for forming barrier ribs for an electroluminescent display element, barrier ribs and electroluminescent display element

INVENTOR(S): Nishimura, Isao; Suzuki, Masayoshi; Endo, Masayuki

PATENT ASSIGNEE(S): Jsr Corporation, Japan

SOURCE: Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1150165	A1	20011031	EP 2001-109937	2001 0424

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

JP 2001302870	A2	20011031	JP 2000-123586	2000 0425
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JP 2002083688	A2	20020322	JP 2000-273214	2000 0908
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US 2001044075	A1	20011122	US 2001-840130	2001 0424
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US 6756165	B2	20040629		
TW 574600	B	20040201	TW 2001-90109944	2001 0425

PRIORITY APPLN. INFO.:		JP 2000-123586	A	2000 0425
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		JP 2000-273214	A	2000 0908
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AB The invention is about radiation sensitive resin composition suitable for use as a material for forming barrier rib for an EL display element. The radiation sensitive resin composition containing (a) an alkali soluble resin, (b) a polymerizable compound having an ethylenically unsatd. bond, and (c) a radiation sensitive polymerization initiator. The barrier rib for an EL display element in this invention has required heat resistance, adhesion and an inversely tapered form.

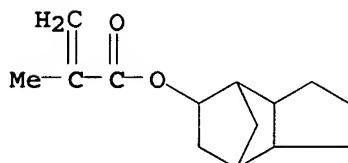
IT 157015-57-1P, Dicyclopentanyl methacrylate-glycidyl methacrylate-methacrylic acid-styrene copolymer

163392-26-5P, 1,3-Butadiene-dicyclopentanyl
methacrylate-methacrylic acid-styrene copolymer
369644-95-1P, Dicyclopentanyl methacrylate- α -
methylstyrene dimer- β -methylglycidyl methacrylate-methacrylic
acid-styrene copolymer 369644-96-2P,
1,3-Butadiene-dicyclopentanyl methacrylate-glycidyl
methacrylate-methacrylic acid- α -methylstyrene dimer-styrene
copolymer 369644-97-3P, 1,3-Butadiene-dicyclopentanyl
methacrylate-methacrylic acid- β -methylglycidyl
methacrylate- α -methylstyrene dimer-styrene copolymer
369644-98-4P, 1,3-Butadiene-N-cyclohexylmaleimide-
dicyclopentanyl methacrylate-methacrylic acid- β -
methylglycidyl methacrylate- α -methylstyrene dimer-styrene
copolymer 369644-99-5P, α -Methylstyrene
dimer-phenylmaleimide-styrene-4-vinylbenzoic acid-4-vinylbenzyl
glycidyl ether copolymer
(preparation of radiation sensitive resin composition for
electroluminescent display element)

RN 157015-57-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene,
octahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propenoate and
oxiranylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

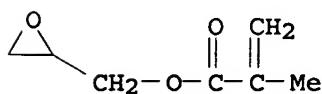
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CRN 34759-34-7
CMF C14 H20 O2



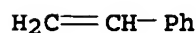
CM 2

CRN 106-91-2
CMF C7 H10 O3



CM 3

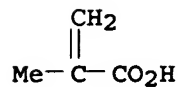
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CMF C8 H8



CM 4

CRN 79-41-4

CMF C4 H6 O2



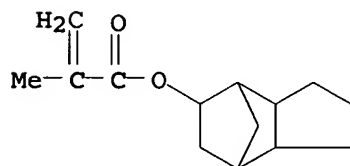
RN 163392-26-5 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene,
ethenylbenzene and octahydro-4,7-methano-1H-inden-5-yl
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 34759-34-7

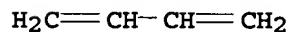
CMF C14 H20 O2



CM 2

CRN 106-99-0

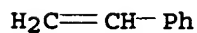
CMF C4 H6



CM 3

CRN 100-42-5

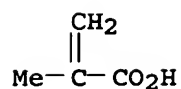
CMF C8 H8



CM 4

CRN 79-41-4

CMF C4 H6 O2

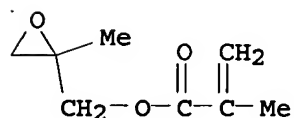


RN 369644-95-1 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene,
 (1-methylethenyl)benzene dimer, (2-methyloxiranyl)methyl
 2-methyl-2-propenoate and octahydro-4,7-methano-1H-inden-5-yl
 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 41768-20-1

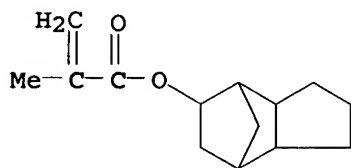
CMF C8 H12 O3



CM 2

CRN 34759-34-7

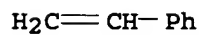
CMF C14 H20 O2



CM 3

CRN 100-42-5

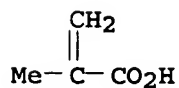
CMF C8 H8



CM 4

CRN 79-41-4

CMF C4 H6 O2

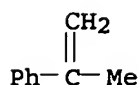


CM 5

CRN 6144-04-3
CMF (C9 H10)2
CCI PMS

CM 6

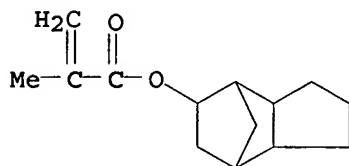
CRN 98-83-9
CMF C9 H10



RN 369644-96-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene, ethenylbenzene, (1-methylethenyl)benzene dimer, octahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propenoate and oxiranylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

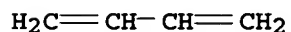
CM 1

CRN 34759-34-7
CMF C14 H20 O2



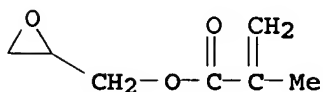
CM 2

CRN 106-99-0
CMF C4 H6



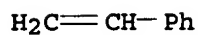
CM 3

CRN 106-91-2
CMF C7 H10 O3



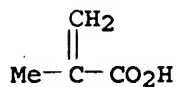
CM 4

CRN 100-42-5
CMF C8 H8



CM 5

CRN 79-41-4
CMF C4 H6 O2

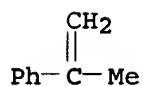


CM 6

CRN 6144-04-3
CMF (C9 H10)2
CCI PMS

CM 7

CRN 98-83-9
CMF C9 H10

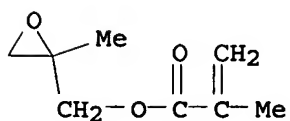


RN 369644-97-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene, ethenylbenzene, (1-methylethenyl)benzene dimer, (2-methyloxiranyl)methyl 2-methyl-2-propenoate and octahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

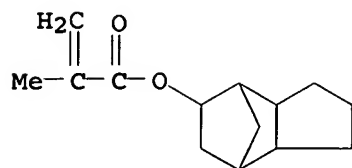
CM 1

CRN 41768-20-1
CMF C8 H12 O3



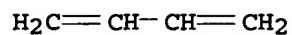
CM 2

CRN 34759-34-7
CMF C14 H20 O2



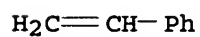
CM 3

CRN 106-99-0
CMF C4 H6



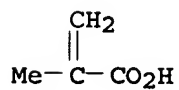
CM 4

CRN 100-42-5
CMF C8 H8



CM 5

CRN 79-41-4
CMF C4 H6 O2

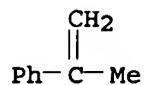


CM 6

CRN 6144-04-3
CMF (C9 H10) 2
CCI PMS

CM 7

CRN 98-83-9
CMF C9 H10



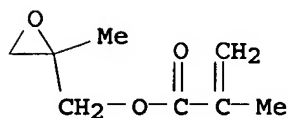
RN 369644-98-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene,
1-cyclohexyl-1H-pyrrole-2,5-dione, ethenylbenzene,
(1-methylethenyl)benzene dimer, (2-methyloxiranyl)methyl
2-methyl-2-propenoate and octahydro-4,7-methano-1H-inden-5-yl
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 41768-20-1

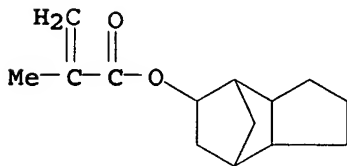
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CM 2

CRN 34759-34-7

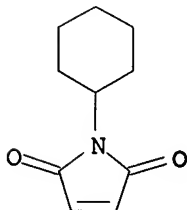
CMF C14 H20 O2



CM 3

CRN 1631-25-0

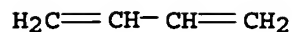
CMF C10 H13 N O2



CM 4

CRN 106-99-0

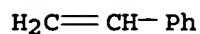
CMF C4 H6



CM 5

CRN 100-42-5

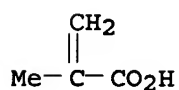
CMF C8 H8



CM 6

CRN 79-41-4

CMF C4 H6 O2



CM 7

CRN 6144-04-3

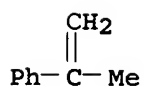
CMF (C9 H10)2

CCI PMS

CM 8

CRN 98-83-9

CMF C9 H10



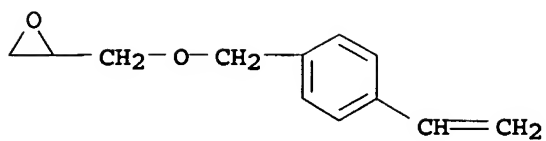
RN 369644-99-5 HCAPLUS

CN Benzoic acid, 4-ethenyl-, polymer with ethenylbenzene, [[(4-ethenylphenyl)methoxy)methyl]oxirane, (1-methylethenyl)benzene dimer and 1-phenyl-1H-pyrrole-2,5-dione (9CI) (CA INDEX NAME)

CM 1

CRN 113538-80-0

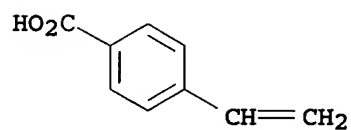
CMF C12 H14 O2



CM 2

CRN 1075-49-6

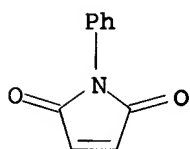
CMF C9 H8 O2



CM 3

CRN 941-69-5

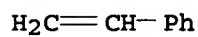
CMF C10 H7 N O2



CM 4

CRN 100-42-5

CMF C8 H8



CM 5

CRN 6144-04-3

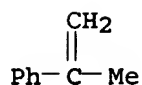
CMF (C9 H10) 2

CCI PMS

CM 6

CRN 98-83-9

CMF C9 H10



IT 264192-15-6P, Dicyclopentanyl methacrylate-glycidyl methacrylate-Kayarad dpha-methacrylic acid-styrene copolymer 370070-60-3P, 1,3-Butadiene-dicyclopentanyl methacrylate-Kayarad DPHA-methacrylic acid-styrene copolymer 370070-61-4P, Dicyclopentanyl methacrylate-Kayarad DPHA- α -methylstyrene dimer- β -methylglycidyl methacrylate-methacrylic acid-styrene copolymer 370070-62-5P, 1,3-Butadiene-dicyclopentanyl methacrylate-glycidyl methacrylate-Kayarad DPHA-methacrylic acid- α -methylstyrene dimer-styrene copolymer 370070-63-6P 370070-64-7P, 1,3-Butadiene-cyclohexylmaleimide-dicyclopentanyl methacrylate-Kayarad DPHA-methacrylic acid- β -methylglycidyl methacrylate- α -methylstyrene dimer-styrene copolymer 370070-65-8P, Kayarad DPHA- α -methylstyrene dimer-phenylmaleimide-styrene-4-vinylbenzoic acid-4-vinylbenzylglycidyl ether copolymer (radiation sensitive resin composition for forming barrier ribs for electroluminescent display element)

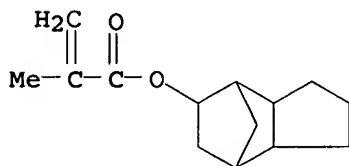
RN 264192-15-6 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene, octahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and 2,2'-[oxybis(methylene)]bis[2-(hydroxymethyl)-1,3-propanediol] 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 34759-34-7

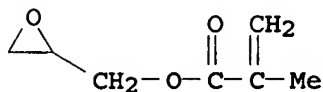
CMF C14 H20 O2



CM 2

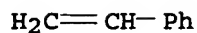
CRN 106-91-2

CMF C7 H10 O3



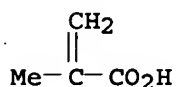
CM 3

CRN 100-42-5
CMF C8 H8



CM 4

CRN 79-41-4
CMF C4 H6 O2

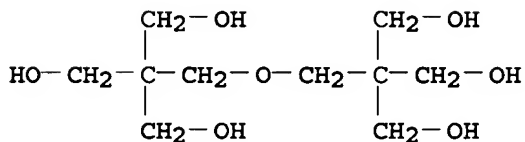


CM 5

CRN 77641-99-7
CMF C10 H22 O7 . x C3 H4 O2

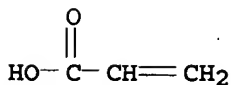
CM 6

CRN 126-58-9
CMF C10 H22 O7



CM 7

CRN 79-10-7
CMF C3 H4 O2

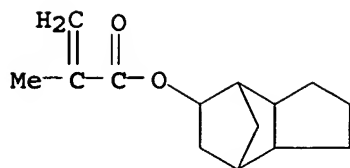


RN 370070-60-3 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene,
ethenylbenzene, octahydro-4,7-methano-1H-inden-5-yl
2-methyl-2-propenoate and 2,2'-[oxybis(methylene)]bis[2-
(hydroxymethyl)-1,3-propanediol] 2-propenoate (9CI) (CA INDEX
NAME)

CM 1

CRN 34759-34-7

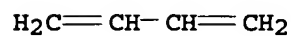
CMF C14 H20 O2



CM 2

CRN 106-99-0

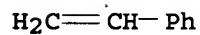
CMF C4 H6



CM 3

CRN 100-42-5

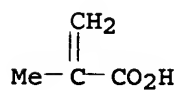
CMF C8 H8



CM 4

CRN 79-41-4

CMF C4 H6 O2



CM 5

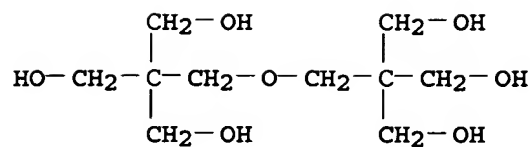
CRN 77641-99-7

CMF C10 H22 O7 . x C3 H4 O2

CM 6

CRN 126-58-9

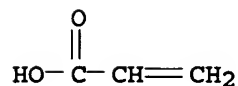
CMF C10 H22 O7



CM 7

CRN 79-10-7

CMF C3 H4 O2



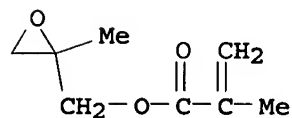
RN 370070-61-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene, (1-methylethenyl)benzene dimer, (2-methyloxiranyl)methyl 2-methyl-2-propenoate, octahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propenoate and 2,2'-[oxybis(methylene)]bis[2-(hydroxymethyl)-1,3-propanediol] 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 41768-20-1

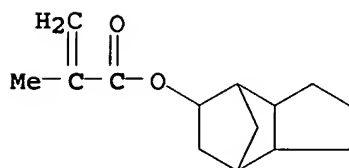
CMF C8 H12 O3



CM 2

CRN 34759-34-7

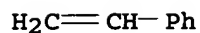
CMF C14 H20 O2



CM 3

CRN 100-42-5

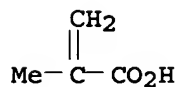
CMF C8 H8



CM 4

CRN 79-41-4

CMF C4 H6 O2



CM 5

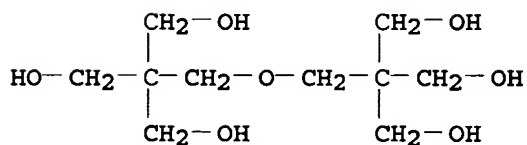
CRN 77641-99-7

CMF C10 H22 O7 . x C3 H4 O2

CM 6

CRN 126-58-9

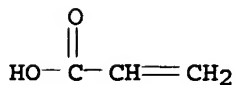
CMF C10 H22 O7



CM 7

CRN 79-10-7

CMF C3 H4 O2



CM 8

CRN 6144-04-3

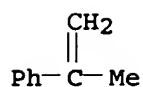
CMF (C9 H10)2

CCI PMS

CM 9

CRN 98-83-9

CMF C9 H10



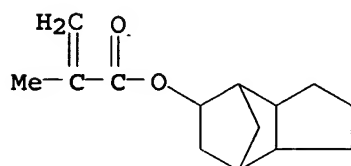
RN 370070-62-5 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene, ethenylbenzene, (1-methylethenyl)benzene dimer, octahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and 2,2'-[oxybis(methylene)]bis[2-(hydroxymethyl)-1,3-propanediol] 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 34759-34-7

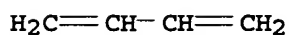
CMF C14 H20 O2



CM 2

CRN 106-99-0

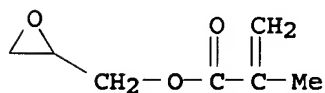
CMF C4 H6



CM 3

CRN 106-91-2

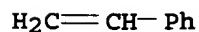
CMF C7 H10 O3



CM 4

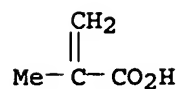
CRN 100-42-5

CMF C8 H8



CM 5

CRN 79-41-4
CMF C4 H6 O2

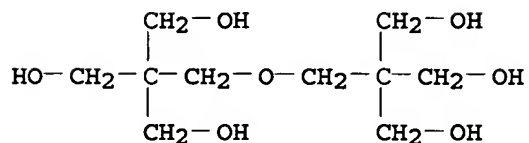


CM 6

CRN 77641-99-7
CMF C10 H22 O7 . x C3 H4 O2

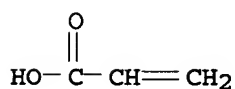
CM 7

CRN 126-58-9
CMF C10 H22 O7



CM 8

CRN 79-10-7
CMF C3 H4 O2

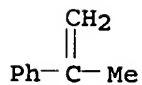


CM 9

CRN 6144-04-3
CMF (C9 H10)2
CCI PMS

CM 10

CRN 98-83-9
CMF C9 H10

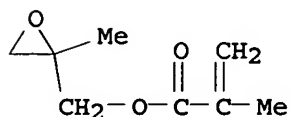


RN 370070-63-6 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene,
 ethenylbenzene, (1-methylethenyl)benzene dimer,
 (2-methyloxiranyl)methyl 2-methyl-2-propenoate,
 octahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propenoate and
 2,2'-[oxybis(methylene)]bis[2-(hydroxymethyl)-1,3-propanediol]
 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 41768-20-1

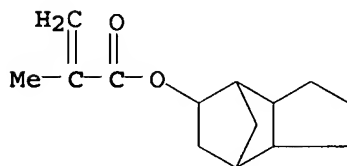
CMF C8 H12 O3



CM 2

CRN 34759-34-7

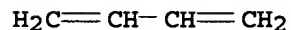
CMF C14 H20 O2



CM 3

CRN 106-99-0

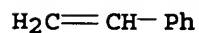
CMF C4 H6



CM 4

CRN 100-42-5

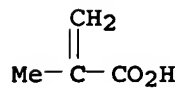
CMF C8 H8



CM 5

CRN 79-41-4

CMF C4 H6 O2



CM 6

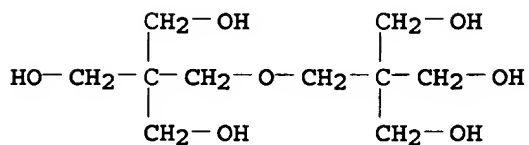
CRN 77641-99-7

CMF C10 H22 O7 . x C3 H4 O2

CM 7

CRN 126-58-9

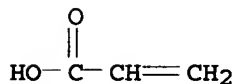
CMF C10 H22 O7



CM 8

CRN 79-10-7

CMF C3 H4 O2



CM 9

CRN 6144-04-3

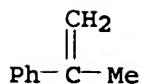
CMF (C9 H10)2

CCI PMS

CM 10

CRN 98-83-9

CMF C9 H10



RN 370070-64-7 HCAPLUS

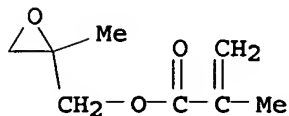
CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene,
1-cyclohexyl-1H-pyrrole-2,5-dione, ethenylbenzene,

(1-methylethenyl)benzene dimer, (2-methyloxiranyl)methyl
2-methyl-2-propenoate, octahydro-4,7-methano-1H-inden-5-yl
2-methyl-2-propenoate and 2,2'-[oxybis(methylene)]bis[2-
(hydroxymethyl)-1,3-propanediol] 2-propenoate (9CI) (CA INDEX
NAME)

CM 1

CRN 41768-20-1

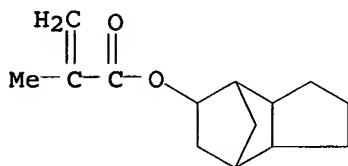
CMF C8 H12 O3



CM 2

CRN 34759-34-7

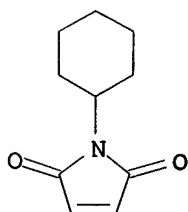
CMF C14 H20 O2



CM 3

CRN 1631-25-0

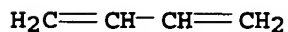
CMF C10 H13 N O2



CM 4

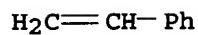
CRN 106-99-0

CMF C4 H6



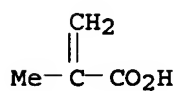
CM 5

CRN 100-42-5
CMF C8 H8



CM 6

CRN 79-41-4
CMF C4 H6 O2

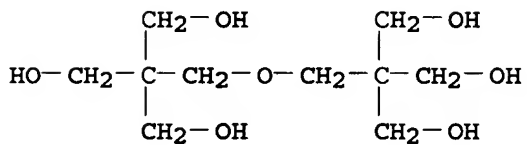


CM 7

CRN 77641-99-7
CMF C10 H22 O7 . x C3 H4 O2

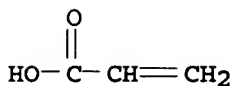
CM 8

CRN 126-58-9
CMF C10 H22 O7



CM 9

CRN 79-10-7
CMF C3 H4 O2



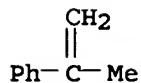
CM 10

CRN 6144-04-3
CMF (C9 H10) 2
CCI PMS

CM 11

CRN 98-83-9

CMF C9 H10



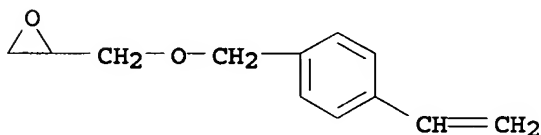
RN 370070-65-8 HCAPLUS

CN Benzoic acid, 4-ethenyl-, polymer with ethenylbenzene, [[(4-ethenylphenyl)methoxy]methyl]oxirane, (1-methylethenyl)benzene dimer, 2,2'-[oxybis(methylene)]bis[2-(hydroxymethyl)-1,3-propanediol] 2-propenoate and 1-phenyl-1H-pyrrole-2,5-dione (9CI) (CA INDEX NAME)

CM 1

CRN 113538-80-0

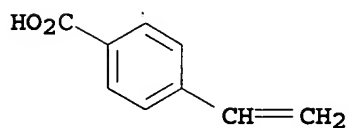
CMF C12 H14 O2



CM 2

CRN 1075-49-6

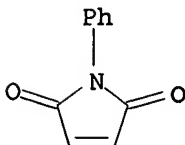
CMF C9 H8 O2



CM 3

CRN 941-69-5

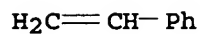
CMF C10 H7 N O2



CM 4

CRN 100-42-5

CMF C8 H8



CM 5

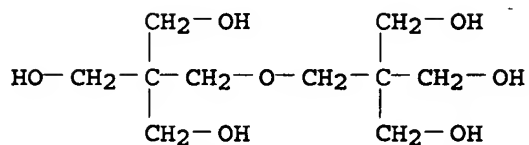
CRN 77641-99-7

CMF C10 H22 O7 . x C3 H4 O2

CM 6

CRN 126-58-9

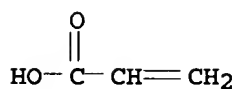
CMF C10 H22 O7



CM 7

CRN 79-10-7

CMF C3 H4 O2



CM 8

CRN 6144-04-3

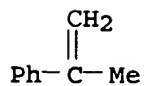
CMF (C9 H10)2

CCI PMS

CM 9

CRN 98-83-9

CMF C9 H10



IC ICM G03F007-00

ICS G03F007-032; G03F007-033; H05B033-00

CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 35, 38

IT 27029-76-1P, m-Cresol-p-cresol-formaldehyde copolymer
157015-57-1P, Dicyclopentanyl methacrylate-glycidyl methacrylate-methacrylic acid-styrene copolymer
163392-26-5P, 1,3-Butadiene-dicyclopentanyl methacrylate-methacrylic acid-styrene copolymer 187601-74-7DP, hydrolyzed 369644-95-1P, Dicyclopentanyl methacrylate- α -methylstyrene dimer- β -methylglycidyl methacrylate-methacrylic acid-styrene copolymer
369644-96-2P, 1,3-Butadiene-dicyclopentanyl methacrylate-glycidyl methacrylate-methacrylic acid- α -methylstyrene dimer-styrene copolymer
369644-97-3P, 1,3-Butadiene-dicyclopentanyl methacrylate-methacrylic acid- β -methylglycidyl methacrylate- α -methylstyrene dimer-styrene copolymer
369644-98-4P, 1,3-Butadiene-N-cyclohexylmaleimide-dicyclopentanyl methacrylate-methacrylic acid- β -methylglycidyl methacrylate- α -methylstyrene dimer-styrene copolymer 369644-99-5P, α -Methylstyrene dimer-phenylmaleimide-styrene-4-vinylbenzoic acid-4-vinylbenzyl glycidyl ether copolymer
(preparation of radiation sensitive resin composition for electroluminescent display element)

IT 264192-15-6P, Dicyclopentanyl methacrylate-glycidyl methacrylate-Kayarad dpha-methacrylic acid-styrene copolymer
370070-59-0P, m-Cresol-p-cresol-formaldehyde-Kayarad DPHA copolymer 370070-60-3P, 1,3-Butadiene-dicyclopentanyl methacrylate-Kayarad DPHA-methacrylic acid-styrene copolymer
370070-61-4P, Dicyclopentanyl methacrylate-Kayarad DPHA- α -methylstyrene dimer- β -methylglycidyl methacrylate-methacrylic acid-styrene copolymer
370070-62-5P, 1,3-Butadiene-dicyclopentanyl methacrylate-glycidyl methacrylate-Kayarad DPHA-methacrylic acid- α -methylstyrene dimer-styrene copolymer
370070-63-6P 370070-64-7P, 1,3-Butadiene-cyclohexylmaleimide-dicyclopentanyl methacrylate-Kayarad DPHA-methacrylic acid- β -methylglycidyl methacrylate- α -methylstyrene dimer-styrene copolymer 370070-65-8P, Kayarad DPHA- α -methylstyrene dimer-phenylmaleimide-styrene-4-vinylbenzoic acid-4-vinylbenzylglycidyl ether copolymer
(radiation sensitive resin composition for forming barrier ribs for electroluminescent display element)

REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L56 ANSWER 6 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:755638 HCAPLUS

DOCUMENT NUMBER: 135:304908

TITLE: Adhesion tape of acrylic adhesive and polyolefin substrate

INVENTOR(S): Miyashita, Hiroshi; Fukuoka, Masaki; Nosetani, Hajime; Matsunaga, Hidemi

PATENT ASSIGNEE(S): Sekisui Chemical Co. Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001288422	A2	20011016	JP 2000-105160	2000 0406

PRIORITY APPLN. INFO.:

JP 2000-105160

2000
0406

AB Title **adhesive** tape comprises a polyolefin substrate layer, a hot-melt **adhesive** layer mainly containing acrylic copolymers, and, between the substrate layer and the **adhesive** layer, a hot-melt resin layer comprising ethylene copolymers or propylene copolymers.

IT 250364-00-2DP, Kraton Liquid L 207, reaction products with acrylic polymers

(adhesion tape of acrylic **adhesive** and polyolefin substrate)

RN 250364-00-2 HCAPLUS

CN Kraton Liquid L 207 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 106107-54-4 694491-73-1

(styrene-butadiene rubber, hydrogenated, block, triblock; adhesion tape of acrylic **adhesive** and polyolefin substrate)

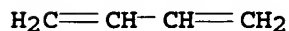
RN 106107-54-4 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, block (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

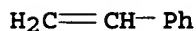
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



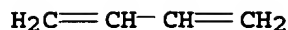
RN 694491-73-1 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, triblock (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

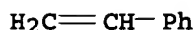
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



- IC ICM C09J007-02
 CC 38-3 (Plastics Fabrication and Uses)
 ST adhesive tape acrylic hot melt; polyolefin substrate
 adhesive tape; ethylene copolymer hot melt
 adhesive tape; propylene copolymer hot melt
 adhesive tape
 IT Laminated plastics, uses
 Polyolefins
 (adhesion tape of acrylic adhesive and
 polyolefin substrate)
 IT Adhesive tapes
 Adhesives
 (hot-melt; adhesion tape of acrylic adhesive
 and polyolefin substrate)
 IT Styrene-butadiene rubber, uses
 (hydrogenated, block, triblock, maleated; adhesion
 tape of acrylic adhesive and polyolefin substrate)
 IT Styrene-butadiene rubber, uses
 (hydrogenated, block, triblock; adhesion tape of
 acrylic adhesive and polyolefin substrate)
 IT 250364-00-2DP, Kraton Liquid L 207, reaction products with
 acrylic polymers 288087-58-1P 337519-01-4P, Butyl
 acrylate-butylene-ethylene-methyl methacrylate graft copolymer
 365529-82-4DP, reaction products with a epoxy-containing
 polymer 365529-84-6DP, reaction products with a epoxy
 -containing polymer
 (adhesion tape of acrylic adhesive and
 polyolefin substrate)
 IT 9002-88-4, Mirason 12
 (adhesion tape of acrylic adhesive and
 polyolefin substrate)
 IT 106107-54-4 694491-73-1
 (styrene-butadiene rubber, hydrogenated, block, triblock;
 adhesion tape of acrylic adhesive and
 polyolefin substrate)

L56 ANSWER 7 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:531670 HCAPLUS

DOCUMENT NUMBER: 135:127251

TITLE: Medical stopper unit comprising rubber stopper
and support

INVENTOR(S): Makiura, Masahito; Kodaira, Hiroshi

PATENT ASSIGNEE(S): Ohtsu Tire and Rubber Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

DOCUMENT TYPE: CODEN: JKXXAF
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: 1 Japanese
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001198188	A2	20010724	JP 2000-8933	2000 0118
PRIORITY APPLN. INFO.: JP 2000-8933				2000 0118

AB The stopper unit, which is used for infusion bottles and bags, comprises (a) a rubber stopper manufactured by vulcanizing a rubber composition containing 100 parts rubber components and 3-30 parts ≥ 1 thermoplastic elastomer selected from (epoxidized, carboxylated, or OH-containing, (hydrogenated) styrene-conjugated diene block copolymers and (b) a polyolefin support. The support may comprise a mixture of ≥ 1 polyolefin resin selected from (meth)acrylic acid-ethylene copolymers, (meth)acrylic acid ester-ethylene copolymers, carboxylic acid-modified polyethylene, and ethylene-vinyl acetate copolymer and mixts. of ≥ 1 of them and the other polyolefin resins. The unit has high adhesion between the stopper and the support and good sealing property in repeated use, and is resistant to coring. A composition 90:10 mixture of IR 2200 (isoprene rubber) and BR 01 (butadiene rubber) 95, Epofriend A 1010 (epoxidized styrene-butadiene-styrene block copolymer) 5, kaolin 10, TiO₂ 4, C black 0.1, stearic acid 0.5, and 25B40 (peroxide) 1.425 part was kneaded at 60°, preformed into a sheet, vulcanized, and molded into a stopper. The stopper was fitted into the support ring made of Novatec HD (polyethylene) to give a stopper unit. The rubber stopper was inserted into a ring support comprising Novatec HD-HJ 490 (polyethylene) to give a stopper unit. Performance of the stopper unit was also tested.

IT 24937-78-8, Evatate D 302

(Evatate D 302, support; medical stopper unit comprising polyolefin support and stopper from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

RN 24937-78-8 HCAPLUS

CN Acetic acid ethenyl ester, polymer with ethene (9CI) (CA INDEX NAME)

CM 1

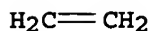
CRN 108-05-4

CMF C4 H6 O2

AcO-CH=CH₂

CM 2

CRN 74-85-1
CMF C2 H4



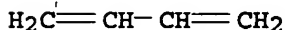
IT 9003-17-2
(butadiene rubber, of cis-1,4-configuration; medical stopper unit comprising polyolefin support and stopper from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

RN 9003-17-2 HCAPLUS

CN 1,3-Butadiene, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0
CMF C4 H6



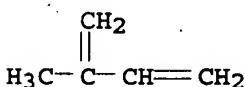
IT 9003-31-0
(isoprene rubber, of cis-1,4-configuration; medical stopper unit comprising polyolefin support and stopper from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

RN 9003-31-0 HCAPLUS

CN 1,3-Butadiene, 2-methyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 78-79-5
CMF C5 H8



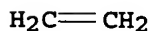
IT 9002-88-4D, Polyethylene, carboxylated
(medical stopper unit comprising polyolefin support and stopper from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

RN 9002-88-4 HCAPLUS

CN Ethene, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 74-85-1
CMF C2 H4



IT 106107-54-4 694491-73-1

(styrene-butadiene rubber, block, triblock, epoxidized, Epofriend A 1010; medical stopper unit comprising polyolefin support and stopper from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

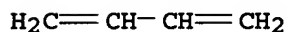
RN 106107-54-4 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, block (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

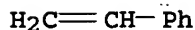
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



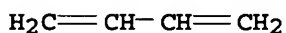
RN 694491-73-1 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, triblock (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

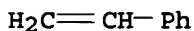
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



IT 9002-88-4, Novatec HD-HJ 490 9010-79-1, Noblen W 531

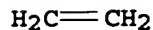
(support; medical stopper unit comprising polyolefin support and stopper from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

RN 9002-88-4 HCAPLUS

CN Ethene, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 74-85-1
CMF C2 H4



RN 9010-79-1 HCAPLUS
CN 1-Propene, polymer with ethene (9CI) (CA INDEX NAME)

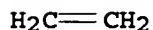
CM 1

CRN 115-07-1
CMF C3 H6



CM 2

CRN 74-85-1
CMF C2 H4



IC ICM A61J001-05
ICS B65D039-04
CC 63-7 (Pharmaceuticals)
Section cross-reference(s): 38, 39
IT 24937-78-8, Evatate D 302
(Evatate D 302, support; medical stopper unit comprising polyolefin support and stopper from composition containing **epoxidized**, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)
IT 9003-17-2
(butadiene rubber, of cis-1,4-configuration; medical stopper unit comprising polyolefin support and stopper from composition containing **epoxidized**, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)
IT 9003-31-0
(isoprene rubber, of cis-1,4-configuration; medical stopper unit comprising polyolefin support and stopper from composition containing **epoxidized**, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)
IT 9002-88-4D, Polyethylene, carboxylated
(medical stopper unit comprising polyolefin support and stopper from composition containing **epoxidized**, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)
IT 106107-54-4 694491-73-1
(styrene-butadiene rubber, block, triblock, **epoxidized**, Epofriend A 1010; medical stopper unit comprising polyolefin support and stopper from composition containing **epoxidized**, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

IT 9002-88-4, Novatec HD-HJ 490 9010-79-1, Noblen W
531

(support; medical stopper unit comprising polyolefin support
and stopper from composition containing epoxidized,
carboxylated, or OH-containing (hydrogenated) styrene-conjugated
diene rubbers)

L56 ANSWER 8 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:441108 HCAPLUS

DOCUMENT NUMBER: 135:51124

TITLE: Polymer film-laminated medical rubber stoppers
and their manufacture

INVENTOR(S): Maeda, Katsushi; Makiura, Masahito; Kodaira,
Hiroshi

PATENT ASSIGNEE(S): Ohtsu Tire and Rubber Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001161790	A2	20010619	JP 1999-349144	

1999
1208

PRIORITY APPLN. INFO.: JP 1999-349144

1999
1208

AB The stopper having high adhesion with the polymer film, for vials,
infusion bottles, infusion bags, etc., is manufactured by mixing 70-98
parts rubber components with 2-30 parts ≥ 1 thermoplastic
elastomer selected from epoxidized, carboxylated, or OH-containing
(hydrogenated) styrene-conjugated diene copolymers, laminating at
least one side of the nonvulcanized rubber composition with a polymer
film, and then vulcanizing the composition. The polymer film is
preferably treated with UV, corona discharge,
glow discharge, or arc discharge to increase adhesion. A sheet
prepared from a composition containing HT 1068 (butyl rubber) 90, Epofriend A
1010 (epoxidized styrene-butadiene-styrene block copolymer) 10,
calcined clay 10, stearic acid 0.5, TiO₂ 4, C black 0.1, and 25B
40 [2,5-dimethyl-2,5-di(tert-butylperoxy)hexane] 1.35 parts was
was laminated with a corona discharge-treated Cenessy CPP 146
(polypropylene film) and heated at 170° for 10 min at 60
kg/cm² for vulcanization. The film-laminated rubber sheet was
punched into a stopper.

IT 9003-07-0, Cenessy CPP 146

(Cenessy CPP 146; manufacture of polymer film-laminated medical
rubber stoppers from composition containing epoxidized,
carboxylated, or OH-containing (hydrogenated) styrene-conjugated
diene rubbers)

RN 9003-07-0 HCAPLUS

CN 1-Propene, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 115-07-1

CMF C3 H6



IT 9010-85-9
(butyl rubber, chlorinated, HT 1068; manufacture of polymer film-laminated medical rubber stoppers from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

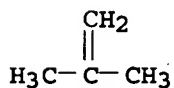
RN 9010-85-9 HCAPLUS

CN 1,3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene (9CI)
(CA INDEX NAME)

CM 1

CRN 115-11-7

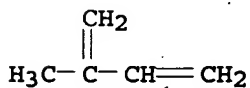
CMF C4 H8



CM 2

CRN 78-79-5

CMF C5 H8



IT 9003-31-0
(isoprene rubber, of cis-1,4-configuration, IR 2200; manufacture of polymer film-laminated medical rubber stoppers from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

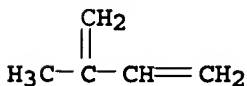
RN 9003-31-0 HCAPLUS

CN 1,3-Butadiene, 2-methyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 78-79-5

CMF C5 H8



IT 25038-71-5, Nitoflon 901W
(manufacture of polymer film-laminated medical rubber stoppers from composition containing epoxidized, carboxylated, or OH-containing

(hydrogenated) styrene-conjugated diene rubbers)

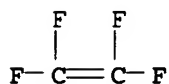
RN 25038-71-5 HCAPLUS

CN Ethene, tetrafluoro-, polymer with ethene (9CI) (CA INDEX NAME)

CM 1

CRN 116-14-3

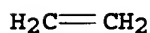
CMF C2 F4



CM 2

CRN 74-85-1

CMF C2 H4



IT 106107-54-4 694491-73-1

(styrene-butadiene rubber, block, triblock, epoxidized, Epofriend A 1010; manufacture of polymer film-laminated medical rubber stoppers from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

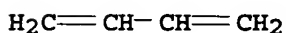
RN 106107-54-4 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, block (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

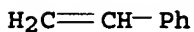
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8

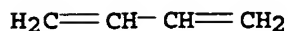


RN 694491-73-1 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, triblock (9CI) (CA INDEX NAME)

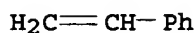
CM 1

CRN 106-99-0
CMF C4 H6



CM 2

CRN 100-42-5
CMF C8 H8



- IC ICM A61J001-05
ICS B29C035-02; B29C043-18; B65D039-04; C08J007-04; C08L021-00;
C08L053-02; B29K021-00; B29K105-24; B29L031-56
- CC 63-7 (Pharmaceuticals)
Section cross-reference(s): 39
- IT 9003-07-0, Cenessy CPP 146
(Cenessy CPP 146; manufacture of polymer film-laminated medical rubber stoppers from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)
- IT 9010-85-9
(butyl rubber, chlorinated, HT 1068; manufacture of polymer film-laminated medical rubber stoppers from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)
- IT 9003-31-0
(isoprene rubber, of cis-1,4-configuration, IR 2200; manufacture of polymer film-laminated medical rubber stoppers from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)
- IT 25038-71-5, Nitoflon 901W
(manufacture of polymer film-laminated medical rubber stoppers from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)
- IT 106107-54-4 694491-73-1
(styrene-butadiene rubber, block, triblock, epoxidized, Epofriend A 1010; manufacture of polymer film-laminated medical rubber stoppers from composition containing epoxidized, carboxylated, or OH-containing (hydrogenated) styrene-conjugated diene rubbers)

L56 ANSWER 9 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:715771 HCAPLUS
DOCUMENT NUMBER: 133:297330
TITLE: Thermal conductive adhesive film and semiconductor device therewith
INVENTOR(S): Tobita, Masayuki
PATENT ASSIGNEE(S): Polymer-Tech K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000281995	A2	20001010	JP 1999-87482	1999 0330
PRIORITY APPLN. INFO.:			JP 1999-87482	1999 0330

AB Title **adhesive** film with good heat-dissipating property for adhering of semiconductor element and heat-transfer material contains diamagnetic filler having thermal conductivity >20 W/m·K and oriented in the solid **adhesive** in a certain direction. Thus an **adhesive** film comprising an epoxy resin-based **adhesive** layer containing Epikote 828, ESCN 001, LF 2882, Curesol 2 PN-CN, and graphite fiber 20, and a poly(ethylene terephthalate) substrate was prepared, showing tensile strength 1.2 kN/m, and thermal conductivity 1.5 W/m·K.

IT 106107-54-4P 694491-73-1P
(styrene-butadiene rubber, hydrogenated, block, triblock, Kraton G 1650, polymer with Me methacrylate and hydroxyethyl methacrylate; preparation of epoxy resin-based thermal conductive **adhesive** film for semiconductor device)

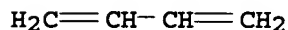
RN 106107-54-4 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, block (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

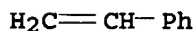
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



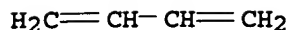
RN 694491-73-1 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, triblock (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

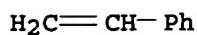
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



- IC ICM C09J009-00
- ICS B32B007-12; C01B031-04; C08K003-04; C08L101-00; C09J007-02;
C09J011-04; H01F001-00; H01L023-373
- CC 38-3 (Plastics Fabrication and Uses)
Section cross-reference(s): 39, 76
- ST epoxy resin thermal conductive adhesive film
semiconductor
- IT Magnetic materials
(diamagnetic; preparation of epoxy resin-based thermal conductive
adhesive film for semiconductor device)
- IT Phenolic resins, uses
(epoxy, novolak; preparation of epoxy resin-based thermal conductive
adhesive film for semiconductor device)
- IT Carbon fibers, uses
(graphite; preparation of epoxy resin-based thermal conductive
adhesive film for semiconductor device)
- IT Styrene-butadiene rubber, uses
(hydrogenated, block, triblock, Kraton G 1650, polymer with Me
methacrylate and hydroxyethyl methacrylate; preparation of epoxy
resin-based thermal conductive adhesive film for
semiconductor device)
- IT Epoxy resins, uses
(phenolic, novolak; preparation of epoxy resin-based thermal
conductive adhesive film for semiconductor device)
- IT Vinyl compounds, uses
(polymers; preparation of epoxy resin-based thermal conductive
adhesive film for semiconductor device)
- IT Tensile strength
Thermal conductivity
(preparation and properties of epoxy resin-based thermal conductive
adhesive film for semiconductor device)
- IT Adhesive films
Fillers
Semiconductor devices
Thermal conductors
(preparation of epoxy resin-based thermal conductive
adhesive film for semiconductor device)
- IT Acrylic polymers, uses
Epoxy resins, uses
Polyimides, uses
Polysiloxanes, uses
Polyurethanes, uses
(preparation of epoxy resin-based thermal conductive
adhesive film for semiconductor device)
- IT Thermoplastic rubber
(preparation of epoxy resin-based thermal conductive
adhesive film for semiconductor device)

- IT Polyesters, uses
(substrate; preparation of epoxy resin-based thermal conductive adhesive film for semiconductor device)
- IT 7440-50-8, Copper, uses
(filler; preparation of epoxy resin-based thermal conductive adhesive film for semiconductor device)
- IT 80-62-6DP, Methyl methacrylate, polymers with hydroxyethyl methacrylate and Kraton G 1650 868-77-9DP, 2-Hydroxyethyl methacrylate, polymers with Me methacrylate and Kraton G 1650 206557-21-3P
(preparation of epoxy resin-based thermal conductive adhesive film for semiconductor device)
- IT 106107-54-4P 694491-73-1P
(styrene-butadiene rubber, hydrogenated, block, triblock, Kraton G 1650, polymer with Me methacrylate and hydroxyethyl methacrylate; preparation of epoxy resin-based thermal conductive adhesive film for semiconductor device)
- IT 25038-59-9, Poly(ethylene terephthalate), uses
(substrate; preparation of epoxy resin-based thermal conductive adhesive film for semiconductor device)

L56 ANSWER 10 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:600285 HCAPLUS

DOCUMENT NUMBER: 133:194264

TITLE: Multiphase thermoplastic graft polymers and their moldings with excellent **adhesion** to metals and polar polymers

INVENTOR(S): Yamada, Tomohisa; Takashizu, Atsushi; Sugiura, Motoyuki

PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
JP 2000234004	A2	20000829	JP 1999-36852	

1999
0216

PRIORITY APPLN. INFO.: JP 1999-36852

1999
0216

AB The polymers comprise (A) 30-99% polyolefin segments (Mn 5000-1,000,000) manufactured using metallocene catalysts and (B) 1-70% vinyl (co)polymer segments (Mn 400-1,000,000) manufactured from ≥1 vinyl monomers containing polar ones, wherein A or B (particle size 0.001-10 μm) is dispersed in B or A, resp. Metallocene-catalyzed polyethylene was impregnated with styrene and acrylic acid, grafted using tert-butylperoxy methacryloyloxyethyl carbonate at 80°, and kneaded at 200° to give a 80:10:10 polyethylene-styrene-acrylic acid graft copolymer showing particle size 0.3-0.4 μm, graft ratio 50%, and good moldability. A film of the copolymer showed adhesive strength 25 kg/25 mm to Al plate.

IT 112651-40-8P, Acrylic acid-ethylene-styrene graft
copolymer 116945-18-7P, Glycidyl methacrylate-propylene-
styrene graft copolymer 121367-75-7P,
Ethylene-methacrylic acid-styrene graft copolymer
133150-60-4P, Methacrylic acid-propylene-styrene graft
copolymer 147321-04-8P, Hydroxypropyl
methacrylate-propylene-styrene graft copolymer
288840-08-4P

(multiphasic thermoplastic polymers for moldings with excellent
adhesion to metals and polar polymers)

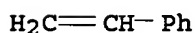
RN 112651-40-8 HCAPLUS

CN 2-Propenoic acid, polymer with ethene and ethenylbenzene, graft
(9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

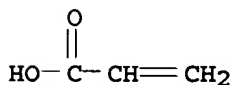
CMF C8 H8



CM 2

CRN 79-10-7

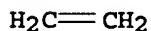
CMF C3 H4 O2



CM 3

CRN 74-85-1

CMF C2 H4



RN 116945-18-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with
ethenylbenzene and 1-propene, graft (9CI) (CA INDEX NAME)

CM 1

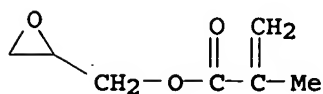
CRN 115-07-1

CMF C3 H6



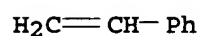
CM 2

CRN 106-91-2
CMF C7 H10 O3



CM 3

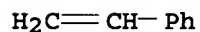
CRN 100-42-5
CMF C8 H8



RN 121367-75-7 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with ethene and ethenylbenzene, graft (9CI) (CA INDEX NAME)

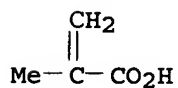
CM 1

CRN 100-42-5
CMF C8 H8



CM 2

CRN 79-41-4
CMF C4 H6 O2



CM 3

CRN 74-85-1
CMF C2 H4



RN 133150-60-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene and 1-propene, graft (9CI) (CA INDEX NAME)

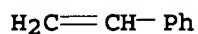
CM 1

CRN 115-07-1
CMF C3 H6



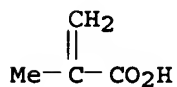
CM 2

CRN 100-42-5
CMF C8 H8



CM 3

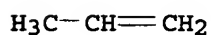
CRN 79-41-4
CMF C4 H6 O2



RN 147321-04-8 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol,
polymer with ethenylbenzene and 1-propene, graft (9CI) (CA INDEX
NAME)

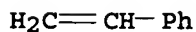
CM 1

CRN 115-07-1
CMF C3 H6



CM 2

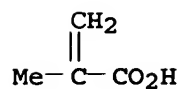
CRN 100-42-5
CMF C8 H8



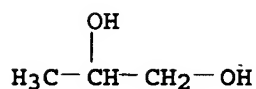
CM 3

CRN 27813-02-1
CMF C7 H12 O3
CCI IDS

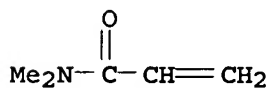
CM 4

CRN 79-41-4
CMF C4 H6 O2

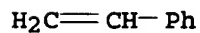
CM 5

CRN 57-55-6
CMF C3 H8 O2RN 288840-08-4 HCAPLUS
CN 2-Propenamide, N,N-dimethyl-, polymer with ethene and
ethenylbenzene, graft (9CI) (CA INDEX NAME)

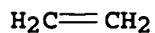
CM 1

CRN 2680-03-7
CMF C5 H9 N O

CM 2

CRN 100-42-5
CMF C8 H8

CM 3

CRN 74-85-1
CMF C2 H4

IC ICM C08F255-00

ICS B32B027-32; C08L051-06; C08F255-00; C08F220-00
 CC 38-3 (Plastics Fabrication and Uses)
 Section cross-reference(s): 35
 ST polyethylene styrene acrylate graft copolymer film; thermoplastic
 graft copolymer multiphase molding **adhesion**; metallocene
 catalyzed polyethylene graft copolymer moldability; peroxide graft
 polymn polyethylene acrylate styrene
 IT Polymerization
 (graft; multiphasic thermoplastic polymers for moldings with
 excellent **adhesion** to metals and polar polymers)
 IT Polyolefins
 (graft; multiphasic thermoplastic polymers for moldings with
 excellent **adhesion** to metals and polar polymers)
 IT Polymerization catalysts
 (metallocene; multiphasic thermoplastic polymers for moldings
 with excellent **adhesion** to metals and polar polymers)
 IT Plastic films
 (multiphasic thermoplastic polymers for moldings with excellent
adhesion to metals and polar polymers)
 IT Plastics, uses
 (thermoplastics, laminated; multiphasic thermoplastic polymers
 for moldings with excellent **adhesion** to metals and
 polar polymers)
 IT Laminated plastics, uses
 Molded plastics, uses
 (thermoplastics; multiphasic thermoplastic polymers for
 moldings with excellent **adhesion** to metals and polar
 polymers)
 IT 109981-42-2P, Acrylic acid-methacrylic acid-propylene graft
 copolymer 112651-40-8P, Acrylic acid-ethylene-styrene
 graft copolymer 116945-18-7P, Glycidyl
 methacrylate-propylene-styrene graft copolymer
 121367-75-7P, Ethylene-methacrylic acid-styrene graft
 copolymer 133150-60-4P, Methacrylic acid-propylene-
 styrene graft copolymer 147321-04-8P,
 Hydroxypropyl methacrylate-propylene-styrene graft
 copolymer 288840-08-4P
 (multiphasic thermoplastic polymers for moldings with excellent
adhesion to metals and polar polymers)

L56 ANSWER 11 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:376955 HCAPLUS

DOCUMENT NUMBER: 133:18488

TITLE: **Adhesives** containing ceramic spheres
 for mounting semiconductor chips on substrates

INVENTOR(S): Koshibe, Shigeru

PATENT ASSIGNEE(S): Sial K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2000154358	A2	20000606	JP 1998-330463	1998 1120

PRIORITY APPLN. INFO.:

JP 1998-330463

1998

1120

AB The adhesives, for high-d. mounting of semiconductor chips also for taking a role of dampers, contain ceramic spheres with OH on the surface. Thus, 40 parts spherical SiO₂ having 0.06% OH on the surface was mixed with cyclopentadiene-modified epoxy-resin (XD 1000) 100, phenolic resin (XL 225) 20, and catalyst (TPP K) 1 part and kneaded to give an adhesive, which was screen-printed on a flexible printed circuit board then semiconductor chips were mounted on the adhesive layer and heated at 180° for 5 min to give a ball-grid array showing no cracks after soldering.

IT 9003-17-2P

(butadiene rubber, of 1,2-configuration, hydroxy-terminated, Nisso PB-G 1000, polymer with epoxy-containing siloxanes; adhesives containing ceramic spheres having hydroxy on surface for mounting semiconductor chips)

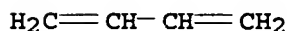
RN 9003-17-2 HCAPLUS

CN 1,3-Butadiene, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

CMF C4 H6



IT 105729-79-1 700836-36-8

(isoprene-styrene rubber, block, triblock, D 1117; adhesives containing ceramic spheres having hydroxy on surface for mounting semiconductor chips)

RN 105729-79-1 HCAPLUS

CN Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene, block (9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

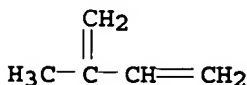
CMF C8 H8



CM 2

CRN 78-79-5

CMF C5 H8

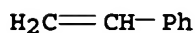


RN 700836-36-8 HCAPLUS
 CN Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene, triblock
 (9CI) (CA INDEX NAME)

CM 1

CRN 100-42-5

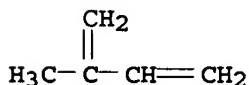
CMF C8 H8



CM 2

CRN 78-79-5

CMF C5 H8



IC ICM C09J011-04

ICS H01L021-52

CC 38-3 (Plastics Fabrication and Uses)

Section cross-reference(s): 39, 57, 76

ST **adhesive** ceramic sphere semiconductor chip mounting;
 hydroxy surface ceramic sphere **adhesive**; damper

adhesive ceramic sphere semiconductor packaging; spherical
 silica epoxy resin **adhesive**

IT **Adhesives**

Ceramics

Electronic packages

Electronic packaging materials

(**adhesives** containing ceramic spheres having hydroxy on
 surface for mounting semiconductor chips)

IT Epoxy resins, uses

(**adhesives** containing ceramic spheres having hydroxy on
 surface for mounting semiconductor chips)

IT Isoprene-styrene rubber

(block, triblock, D 1117; **adhesives** containing ceramic
 spheres having hydroxy on surface for mounting semiconductor
 chips)

IT Polysiloxanes, uses

Polysiloxanes, uses

(epoxy, SIN 620, polymer with hydroxy-terminated butadiene
 rubber; **adhesives** containing ceramic spheres having
 hydroxy on surface for mounting semiconductor chips)

IT Butadiene rubber, uses

(of 1,2-configuration, hydroxy-terminated, Nisso PB-G 1000,
 polymer with epoxy-containing siloxanes; **adhesives** containing
 ceramic spheres having hydroxy on surface for mounting
 semiconductor chips)

IT Epoxy resins, uses

Epoxy resins, uses

(polysiloxane-, SIN 620, polymer with hydroxy-terminated
 butadiene rubber; **adhesives** containing ceramic spheres)

- having hydroxy on surface for mounting semiconductor chips)
- IT Silicone rubber, uses
(vinyl group-containing, TSE 260 3U, polymer with unsatd. terpene polymer; **adhesives** containing ceramic spheres having hydroxy on surface for mounting semiconductor chips)
- IT 7631-86-9P, Silica, uses
(**adhesives** containing ceramic spheres having hydroxy on surface for mounting semiconductor chips)
- IT 132324-91-5DP, YS 125, polymer with vinyl-containing siloxane 225111-89-7P, XD 1000-XL 225 copolymer
(**adhesives** containing ceramic spheres having hydroxy on surface for mounting semiconductor chips)
- IT 1344-28-1, Alumina, uses 12033-89-5, Silicon nitride, uses 24304-00-5, Aluminum nitride
(**adhesives** containing ceramic spheres having hydroxy on surface for mounting semiconductor chips)
- IT 681-84-5 1344-09-8, Sodium silicate
(**adhesives** containing ceramic spheres having hydroxy on surface from)
- IT 9003-17-2P
(butadiene rubber, of 1,2-configuration, hydroxy-terminated, Nisso PB-G 1000, polymer with **epoxy**-containing siloxanes; **adhesives** containing ceramic spheres having hydroxy on surface for mounting semiconductor chips)
- IT 105729-79-1 700836-36-8
(isoprene-styrene rubber, block, triblock, D 1117; **adhesives** containing ceramic spheres having **hydroxy** on surface for mounting semiconductor chips)
- IT 9003-17-2, B 1000
(vulcanizer; **adhesives** containing ceramic spheres having hydroxy on surface for mounting semiconductor chips)

L56 ANSWER 12 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:247502 HCAPLUS

DOCUMENT NUMBER: 132:280184

TITLE: **Adhesives**, their use for bonding of metal sheets with reinforcing sheets, and bonded metal panels without **adhesive** strain

INVENTOR(S): Takuchi, Koichi; Iwata, Kanahira

PATENT ASSIGNEE(S): Denki Kagaku Kogyo K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000109783	A2	20000418	JP 1998-279642	1998 1001

PRIORITY APPLN. INFO.: JP 1998-279642

1998
1001

AB The **adhesives** show the relations between cure shrinkage (X%) and storage modulus (Y kg/mm²) at 20-25° of Y

≤88X-0.6 or Y ≤4.5X-1.0. Thus, a composition containing phenoxyethyl methacrylate (I) 56.0, phenoxypolyethylene glycol methacrylate (II) 24.0, cumene hydroperoxide 5.0, acrylonitrile-butadiene rubber (NBR) 20.0, fused SiO₂ 3.0, and tricresyl phosphate (III) 10.0 parts was 1:1 blended with a composition containing I 56.0, II 24.0, vanadyl acetylacetonate 0.2, NBR 20.0, fused SiO₂ 3.0, and III 10.0 parts to give an adhesive showing cure shrinkage 6.5% and storage modulus 0.5 kg/mm².

IT 263705-96-0P 263705-97-1P 263759-14-4P
263759-15-5P

(acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

RN 263705-96-0 HCAPLUS

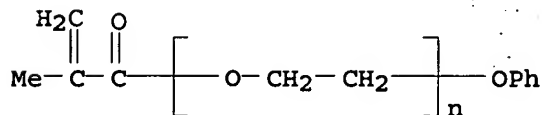
CN 2-Propenoic acid, 2-methyl-, 2-phenoxyethyl ester, polymer with 1,3-butadiene, α-(2-methyl-1-oxo-2-propenyl)-ω-phenoxypoly(oxy-1,2-ethanediyl) and 2-propenenitrile, graft (9CI) (CA INDEX NAME)

CM 1

CRN 50858-63-4

CMF (C2 H4 O)_n C10 H10 O2

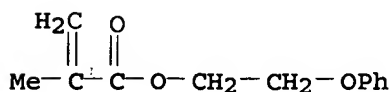
CCI PMS



CM 2

CRN 10595-06-9

CMF C12 H14 O3



CM 3

CRN 107-13-1

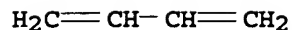
CMF C3 H3 N



CM 4

CRN 106-99-0

CMF C4 H6



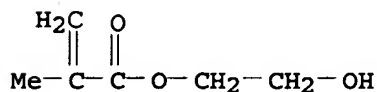
RN 263705-97-1 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene,
2-ethylhexyl 2-methyl-2-propenoate, 2-hydroxyethyl
2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and
2-propenenitrile (9CI) (CA INDEX NAME)

CM 1

CRN 868-77-9

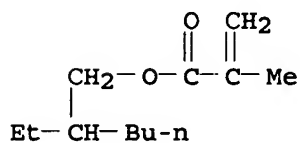
CMF C6 H10 O3



CM 2

CRN 688-84-6

CMF C12 H22 O2



CM 3

CRN 107-13-1

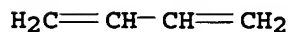
CMF C3 H3 N



CM 4

CRN 106-99-0

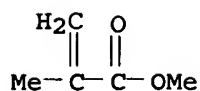
CMF C4 H6



CM 5

CRN 80-62-6

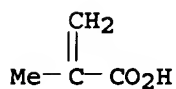
CMF C5 H8 O2



CM 6

CRN 79-41-4

CMF C4 H6 O2



RN 263759-14-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with
1,3-butadiene, DET 1B, ethenylbenzene, 2-hydroxyethyl
2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and
2-propenenitrile (9CI) (CA INDEX NAME)

CM 1

CRN 263759-08-6

CMF Unspecified

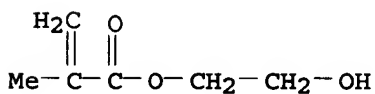
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 868-77-9

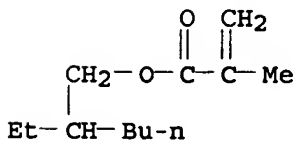
CMF C6 H10 O3



CM 3

CRN 688-84-6

CMF C12 H22 O2



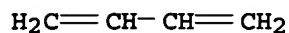
CM 4

CRN 107-13-1
CMF C3 H3 N



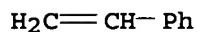
CM 5

CRN 106-99-0
CMF C4 H6



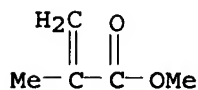
CM 6

CRN 100-42-5
CMF C8 H8



CM 7

CRN 80-62-6
CMF C5 H8 O2



RN 263759-15-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with
1,3-butadiene, DET 1B, ethenylbenzene, 2-hydroxyethyl
2-methyl-2-propenoate and methyl 2-methyl-2-propenoate (9CI) (CA
INDEX NAME)

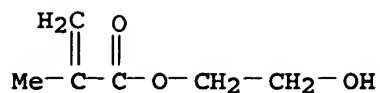
CM 1

CRN 263759-08-6
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

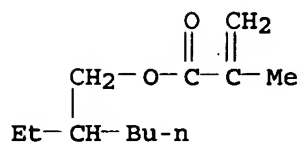
CRN 868-77-9
CMF C6 H10 O3



CM 3

CRN 688-84-6

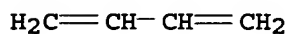
CMF C12 H22 O2



CM 4

CRN 106-99-0

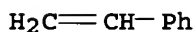
CMF C4 H6



CM 5

CRN 100-42-5

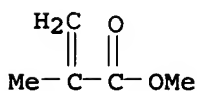
CMF C8 H8



CM 6

CRN 80-62-6

CMF C5 H8 O2



IC ICM C09J201-00

ICS C09J005-00; C09J133-06

CC 38-3 (Plastics Fabrication and Uses)

Section cross-reference(s): 55, 56, 58

ST acrylonitrile butadiene methacrylate adhesive cure

shrinkage; storage modulus acrylonitrile butadiene methacrylate adhesive

IT Epoxy resins, uses

(acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

IT Metals, uses
(acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

IT Polyoxyalkylenes, uses
(acrylic, graft; acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

IT Polyurethanes, uses
(acrylic; acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

IT Construction materials
(boards; acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

IT Adhesives
(room-temperature-curable; acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

IT 263705-96-0P 263705-97-1P 263759-14-4P
263759-15-5P
(acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

IT 150275-19-7, Eccobond 15-Eccobond 45 copolymer 152743-53-8, DP 190 263759-13-3, DP 60
(acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

IT 12597-68-1, Stainless steel, uses
(acrylic or epoxy adhesives with controlled cure shrinkage and storage modulus for metal panels)

L56 ANSWER 13 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:188267 HCAPLUS

DOCUMENT NUMBER: 132:209233

TITLE: Aqueous dispersion compositions, their manufacture, anticorrosive coatings, and adhesives with good alkali resistance and adhesion with metal substrates or topcoats

INVENTOR(S): Yamazaki, Akihiro; Shiguma, Takahiro; Saito, Tadashi; Takamatsu, Yasushi; Fujita, Yoshihiro

PATENT ASSIGNEE(S): Mitsui Chemicals Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 27 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
JP 2000080236	A2	20000321	JP 1999-188207	

1999
0701

PRIORITY APPLN. INFO.: JP 1998-186267

A

1998
0701

AB The compns. contain (A) carboxyl side chain-containing polyolefin particles, (B) epoxy side chain-containing copolymers, and (C) crosslinking agents for A and/or B. Thus, an anticorrosive

coating comprising 60:56:80:4 glycidyl methacrylate-styrene-Bu acrylate-methacrylic acid copolymer ammonium salt, Chemipearl S 650 (ethylene-methacrylic acid copolymer Na salt), Mycoat 776 (methylol/imino-type methylated melamine), and Surflon S 145 (wetting agent) was applied to a galvanized steel to give a test piece showing good anticorrosive effect, **adhesion** with a melamine topcoat, and solvent and alkali resistance.

IT 260542-91-4 260542-93-6 260550-21-8
260550-23-0 260550-25-2 260550-27-4

(aqueous anticorrosive coatings or **adhesives** with good alkali resistance and **adhesion** with metal substrates or topcoats)

RN 260542-91-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethene, ethenylbenzene, 2-ethylhexyl 2-propenoate, formaldehyde, α -(2-methyl-1-oxo-2-propenyl)- ω -hydroxypoly(oxy-1,2-ethanediyl), oxiranylmethyl 2-methyl-2-propenoate, 2-propenoic acid and 1,3,5-triazine-2,4,6-triamine, ammonium sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 260542-90-3

CMF (C11 H20 O2 . C8 H8 . C7 H10 O3 . C4 H6 O2 . C3 H6 N6 . C3 H4 O2 . (C2 H4 O)n C4 H6 O2 : C2 H4 . C H2 O)x

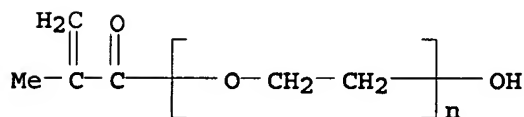
CCI PMS

CM 2

CRN 25736-86-1

CMF (C2 H4 O)n C4 H6 O2

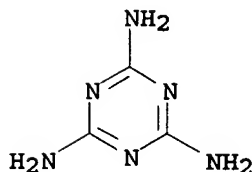
CCI PMS



CM 3

CRN 108-78-1

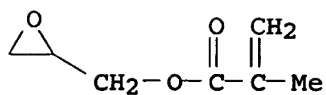
CMF C3 H6 N6



CM 4

CRN 106-91-2

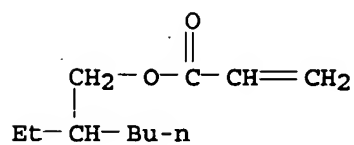
CMF C7 H10 O3



CM 5

CRN 103-11-7

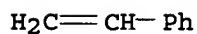
CMF C11 H20 O2



CM 6

CRN 100-42-5

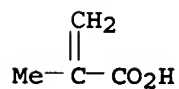
CMF C8 H8



CM 7

CRN 79-41-4

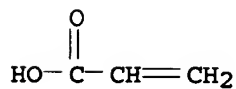
CMF C4 H6 O2



CM 8

CRN 79-10-7

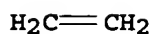
CMF C3 H4 O2



CM 9

CRN 74-85-1

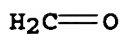
CMF C2 H4



CM 10

CRN 50-00-0

CMF C H2 O



RN 260542-93-6 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethene, ethenylbenzene, 2-ethylhexyl 2-propenoate, formaldehyde, 2-hydroxyethyl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate, 2-propenoic acid and 1,3,5-triazine-2,4,6-triamine, ammonium sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 260542-92-5

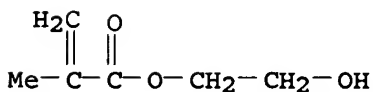
CMF (C11 H20 O2 . C8 H8 . C7 H10 O3 . C6 H10 O3 . C4 H6 O2 . C3 H6 N6 . C3 H4 O2 . C2 H4 . C H2 O)x

CCI PMS

CM 2

CRN 868-77-9

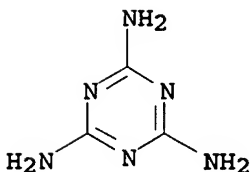
CMF C6 H10 O3



CM 3

CRN 108-78-1

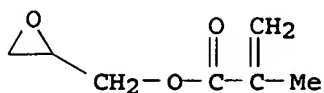
CMF C3 H6 N6



CM 4

CRN 106-91-2

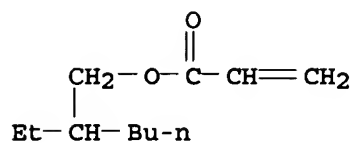
CMF C7 H10 O3



CM 5

CRN 103-11-7

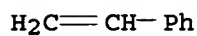
CMF C11 H20 O2



CM 6

CRN 100-42-5

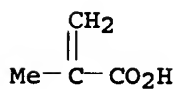
CMF C8 H8



CM 7

CRN 79-41-4

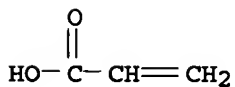
CMF C4 H6 O2



CM 8

CRN 79-10-7

CMF C3 H4 O2



CM 9

CRN 74-85-1

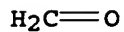
CMF C2 H4



CM 10

CRN 50-00-0

CMF C H2 O



RN 260550-21-8 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethene, ethenylbenzene, formaldehyde, oxiranylmethyl 2-methyl-2-propenoate and 1,3,5-triazine-2,4,6-triamine, ammonium sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 260550-20-7

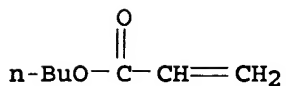
CMF (C8 H8 . C7 H12 O2 . C7 H10 O3 . C4 H6 O2 . C3 H6 N6 . C2 H4 . C H2 O)x

CCI PMS

CM 2

CRN 141-32-2

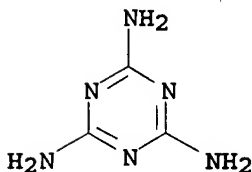
CMF C7 H12 O2



CM 3

CRN 108-78-1

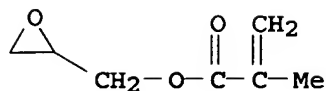
CMF C3 H6 N6



CM 4

CRN 106-91-2

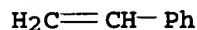
CMF C7 H10 O3



CM 5

CRN 100-42-5

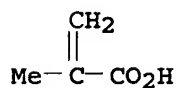
CMF C8 H8



CM 6

CRN 79-41-4

CMF C4 H6 O2



CM 7

CRN 74-85-1

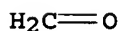
CMF C2 H4



CM 8

CRN 50-00-0

CMF C H2 O



RN 260550-23-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethene, ethenylbenzene,
 2-ethylhexyl 2-propenoate, formaldehyde, 2-hydroxyethyl
 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and
 1,3,5-triazine-2,4,6-triamine, ammonium sodium salt (9CI) (CA
 INDEX NAME)

CM 1

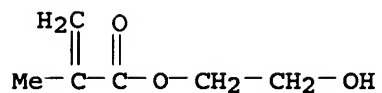
CRN 260550-22-9

CMF (C11 H20 O2 . C8 H8 . C7 H10 O3 . C6 H10 O3 . C4 H6 O2 . C3
 H6 N6 . C2 H4 . C H2 O)x

CCI PMS

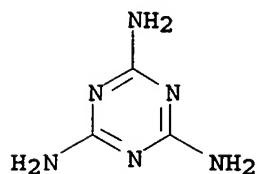
CM 2

CRN 868-77-9
CMF C6 H10 O3



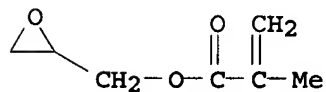
CM 3

CRN 108-78-1
CMF C3 H6 N6



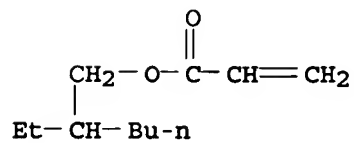
CM 4

CRN 106-91-2
CMF C7 H10 O3



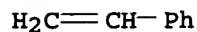
CM 5

CRN 103-11-7
CMF C11 H20 O2



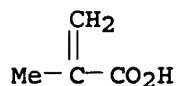
CM 6

CRN 100-42-5
CMF C8 H8



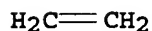
CM 7

CRN 79-41-4
CMF C4 H6 O2



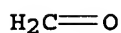
CM 8

CRN 74-85-1
CMF C2 H4



CM 9

CRN 50-00-0
CMF C H2 O



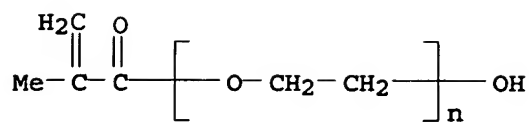
RN 260550-25-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with ethene, 2-ethylhexyl
2-propenoate, formaldehyde, methyl 2-methyl-2-propenoate,
 α -(2-methyl-1-oxo-2-propenyl)- ω -hydroxypoly(oxy-1,2-
ethanediyl), oxiranylmethyl 2-methyl-2-propenoate, 2-propenoic
acid and 1,3,5-triazine-2,4,6-triamine, ammonium sodium salt (9CI)
(CA INDEX NAME)

CM 1

CRN 260550-24-1
CMF (C11 H20 O2 . C7 H10 O3 . C5 H8 O2 . C4 H6 O2 . C3 H6 N6 . C3
H4 O2 . (C2 H4 O)n C4 H6 O2 . C2 H4 . C H2 O)x
CCI PMS

CM 2

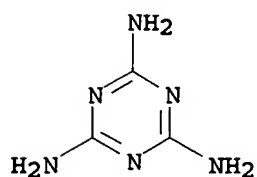
CRN 25736-86-1
CMF (C2 H4 O)n C4 H6 O2
CCI PMS



CM 3

CRN 108-78-1

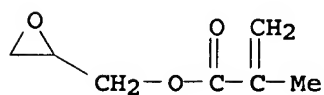
CMF C3 H6 N6



CM 4

CRN 106-91-2

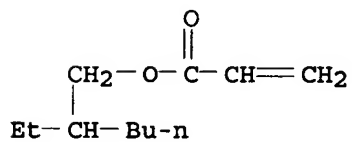
CMF C7 H10 O3



CM 5

CRN 103-11-7

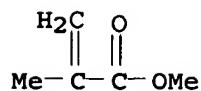
CMF C11 H20 O2



CM 6

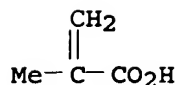
CRN 80-62-6

CMF C5 H8 O2



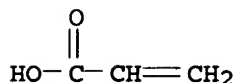
CM 7

CRN 79-41-4
CMF C4 H6 O2



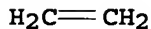
CM 8

CRN 79-10-7
CMF C3 H4 O2



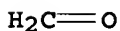
CM 9

CRN 74-85-1
CMF C2 H4



CM 10

CRN 50-00-0
CMF C H2 O



RN 260550-27-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethene, ethenylbenzene, formaldehyde, oxiranylmethyl 2-methyl-2-propenoate, 2-propenoic acid and 1,3,5-triazine-2,4,6-triamine, ammonium salt (9CI) (CA INDEX NAME)

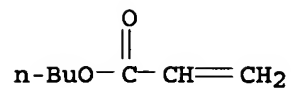
CM 1

CRN 260550-26-3
CMF (C8 H8 . C7 H12 O2 . C7 H10 O3 . C4 H6 O2 . C3 H6 N6 . C3 H4 O2 . C2 H4 . C H2 O)x
CCI PMS

CM 2

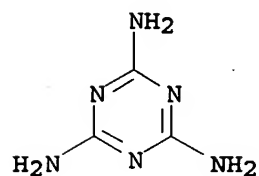
CRN 141-32-2

CMF C7 H12 O2



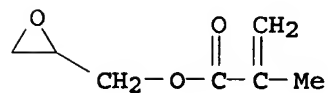
CM 3

CRN 108-78-1
CMF C3 H6 N6



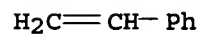
CM 4

CRN 106-91-2
CMF C7 H10 O3



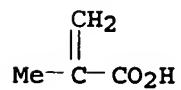
CM 5

CRN 100-42-5
CMF C8 H8



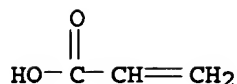
CM 6

CRN 79-41-4
CMF C4 H6 O2



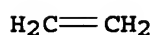
CM 7

CRN 79-10-7
CMF C3 H4 O2



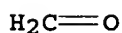
CM 8

CRN 74-85-1
CMF C2 H4



CM 9

CRN 50-00-0
CMF C H2 O



- IC ICM C08L033-02
- ICS C08L033-14; C08L037-00; C08L063-00; C09D005-08; C09D133-02;
C09D137-00; C09D163-00; C09J133-02; C09J163-00
- CC 42-7 (Coatings, Inks, and Related Products)
Section cross-reference(s): 38, 55
- ST coating carboxy polyolefin epoxy copolymer crosslinked;
adhesive carboxy polyolefin epoxy copolymer crosslinked;
anticorrosive coating carboxy polyolefin epoxy copolymer;
galvanized steel anticorrosive coating alkali resistance
- IT Coating materials
(alkali-resistant; aqueous anticorrosive coatings or
adhesives with good alkali resistance and
adhesion with metal substrates or topcoats)
- IT Coating materials
(anticorrosive, water-thinned; aqueous anticorrosive coatings or
adhesives with good alkali resistance and
adhesion with metal substrates or topcoats)
- IT Galvanized steel
Metals, miscellaneous
(aqueous anticorrosive coatings or adhesives with good
alkali resistance and adhesion with metal substrates
or topcoats)
- IT Ionomers
(reaction products with epoxy polymers and melamine resin; aqueous
anticorrosive coatings or adhesives with good alkali
resistance and adhesion with metal substrates or
topcoats)
- IT Adhesives
(water-thinned; aqueous anticorrosive coatings or adhesives
with good alkali resistance and adhesion with metal
substrates or topcoats)

IT 260542-91-4 260542-93-6 260550-21-8
260550-23-0 260550-25-2 260550-27-4

(aqueous anticorrosive coatings or adhesives with good alkali resistance and adhesion with metal substrates or topcoats)

L56 ANSWER 14 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:188266 HCAPLUS

DOCUMENT NUMBER: 132:209232

TITLE: Aqueous dispersion compositions, their manufacture, anticorrosive coatings, and adhesives with good alkali resistance and adhesion with metal substrates or topcoats

INVENTOR(S): Yamazaki, Akihiro; Shiguma, Takahiro; Saito, Tadashi; Takamatsu, Yasushi; Fujita, Yoshihiro

PATENT ASSIGNEE(S): Mitsui Chemicals Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 28 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000080212	A2	20000321	JP 1999-188206	1999 0701

PRIORITY APPLN. INFO.:

JP 1998-186268 A
1998 0701

AB The compns. contain (a) composite resin particles manufactured by polymerization of epoxy group-containing ethylenically unsatd. monomers and epoxy-free ethylenically unsatd. monomers in the presence of carboxyl side chain-containing polyolefin particles and (b) agents crosslinking the carboxyl polyolefins and/or the epoxy copolymers. Thus, styrene 84, 2-ethylhexyl acrylate 40, Bu acrylate 52, 2-hydroxyethyl methacrylate 4, and glycidyl methacrylate 20 parts were polymerized in the presence of 40 parts Chemipearl S 650 (ethylene-methacrylic acid copolymer Na salt), mixed with Mycoat 776 (methylol/imino-type methylated melamine) and Surflon S-145 (wetting agent), and applied to galvanized steel to give a test piece showing good anticorrosive effect, adhesion with a melamine topcoat, and solvent and alkali resistance.

IT 260542-91-4, Acrylic acid-ethylene-2-ethylhexyl acrylate-formaldehyde-glycidyl methacrylate-melamine-methacrylic acid-polyethylene glycol monomethacrylate-styrene copolymer ammonium sodium salt 260783-00-4, Butyl acrylate-ethylene-2-ethylhexyl acrylate-formaldehyde-glycidyl methacrylate-2-hydroxyethyl methacrylate-melamine-methacrylic acid-styrene copolymer sodium salt 260783-02-6, Acrylic acid-ethylene-2-ethylhexyl acrylate-formaldehyde-glycidyl methacrylate-2-hydroxyethyl methacrylate-melamine-styrene copolymer ammonium salt 260783-04-8, Ethylene-2-ethylhexyl acrylate-formaldehyde-glycidyl methacrylate-melamine-methacrylic acid-polyethylene glycol monomethacrylate-styrene copolymer sodium salt

260783-06-0, Acrylic acid-butyl acrylate-ethylene-formaldehyde-glycidyl methacrylate-2-hydroxyethyl methacrylate-melamine-styrene copolymer ammonium salt
 260783-08-2, Acrylic acid-ethylene-2-ethylhexyl acrylate-formaldehyde-glycidyl methacrylate-melamine-styrene copolymer ammonium salt 260783-10-6, Ethylene-2-ethylhexyl acrylate-formaldehyde-glycidyl methacrylate-melamine-methacrylic acid-methyl methacrylate copolymer sodium salt

(aqueous anticorrosive coatings or adhesives with good alkali resistance and adhesion with metal substrates or topcoats)

RN 260542-91-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethene, ethenylbenzene, 2-ethylhexyl 2-propenoate, formaldehyde, α -(2-methyl-1-oxo-2-propenyl)- ω -hydroxypoly(oxy-1,2-ethanediyl), oxiranylmethyl 2-methyl-2-propenoate, 2-propenoic acid and 1,3,5-triazine-2,4,6-triamine, ammonium sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 260542-90-3

CMF (C11 H20 O2 . C8 H8 . C7 H10 O3 . C4 H6 O2 . C3 H6 N6 . C3 H4 O2 . (C2 H4 O)n C4 H6 O2 . C2 H4 . C H2 O)x

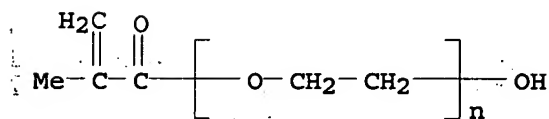
CCI PMS

CM 2

CRN 25736-86-1

CMF (C2 H4 O)n C4 H6 O2

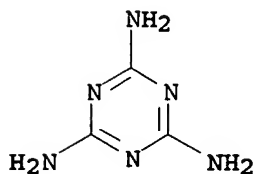
CCI PMS



CM 3

CRN 108-78-1

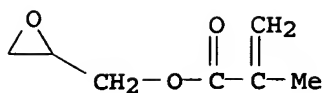
CMF C3 H6 N6



CM 4

CRN 106-91-2

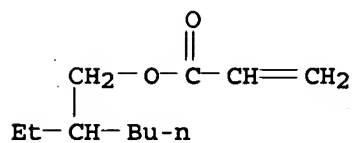
CMF C7 H10 O3



CM 5

CRN 103-11-7

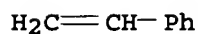
CMF C11 H20 O2



CM 6

CRN 100-42-5

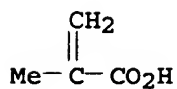
CMF C8 H8



CM 7

CRN 79-41-4

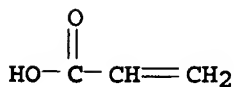
CMF C4 H6 O2



CM 8

CRN 79-10-7

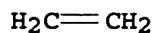
CMF C3 H4 O2



CM 9

CRN 74-85-1

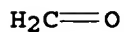
CMF C2 H4



CM 10

CRN 50-00-0

CMF C H2 O



RN 260783-00-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethene, ethenylbenzene, 2-ethylhexyl 2-propenoate, formaldehyde, 2-hydroxyethyl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and 1,3,5-triazine-2,4,6-triamine, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 260782-99-8

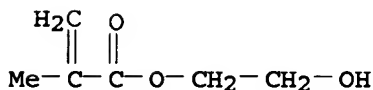
CMF (C11 H20 O2 . C8 H8 . C7 H12 O2 . C7 H10 O3 . C6 H10 O3 . C4 H6 O2 . C3 H6 N6 . C2 H4 . C H2 O)x

CCI PMS

CM 2

CRN 868-77-9

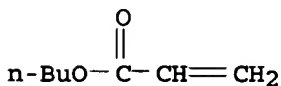
CMF C6 H10 O3



CM 3

CRN 141-32-2

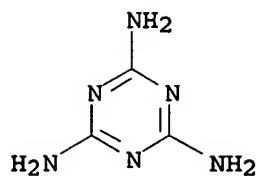
CMF C7 H12 O2



CM 4

CRN 108-78-1

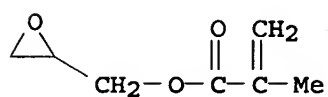
CMF C3 H6 N6



CM 5

CRN 106-91-2

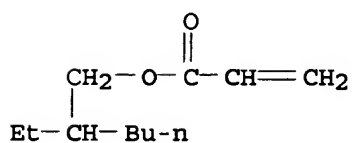
CMF C7 H10 O3



CM 6

CRN 103-11-7

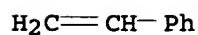
CMF C11 H20 O2



CM 7

CRN 100-42-5

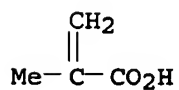
CMF C8 H8



CM 8

CRN 79-41-4

CMF C4 H6 O2



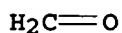
CM 9

CRN 74-85-1
CMF C2 H4



CM 10

CRN 50-00-0
CMF C H2 O



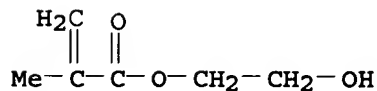
RN 260783-02-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with ethene, ethenylbenzene, 2-ethylhexyl 2-propenoate, formaldehyde, oxiranylmethyl 2-methyl-2-propenoate, 2-propenoic acid and 1,3,5-triazine-2,4,6-triamine, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 260783-01-5
CMF (C11 H20 O2 . C8 H8 . C7 H10 O3 . C6 H10 O3 . C3 H6 N6 . C3 H4 O2 . C2 H4 . C H2 O)x
CCI PMS

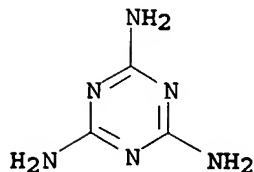
CM 2

CRN 868-77-9
CMF C6 H10 O3



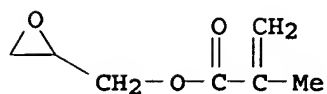
CM 3

CRN 108-78-1
CMF C3 H6 N6



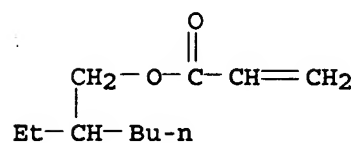
CM 4

CRN 106-91-2
CMF C7 H10 O3



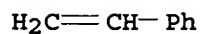
CM 5

CRN 103-11-7
CMF C11 H20 O2



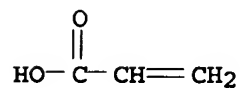
CM 6

CRN 100-42-5
CMF C8 H8



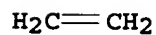
CM 7

CRN 79-10-7
CMF C3 H4 O2



CM 8

CRN 74-85-1
CMF C2 H4



CM 9

CRN 50-00-0
CMF C H2 O



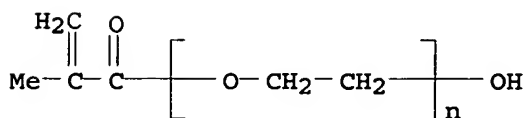
RN 260783-04-8 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, polymer with ethene, ethenylbenzene, 2-ethylhexyl 2-propenoate, formaldehyde, α -(2-methyl-1-oxo-2-propenyl)- ω -hydroxypoly(oxy-1,2-ethanediyl), oxiranylmethyl 2-methyl-2-propenoate and 1,3,5-triazine-2,4,6-triamine, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 260783-03-7
 CMF (C11 H20 O2 . C8 H8 . C7 H10 O3 . C4 H6 O2 . C3 H6 N6 . (C2 H4 O)n C4 H6 O2 . C2 H4 . C H2 O)x
 CCI PMS

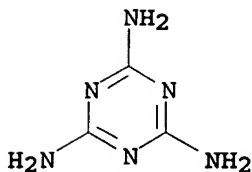
CM 2

CRN 25736-86-1
 CMF (C2 H4 O)n C4 H6 O2
 CCI PMS



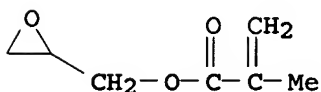
CM 3

CRN 108-78-1
 CMF C3 H6 N6



CM 4

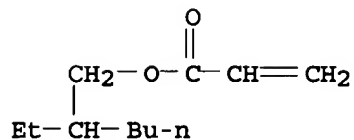
CRN 106-91-2
 CMF C7 H10 O3



CM 5

CRN 103-11-7

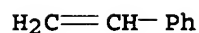
CMF C11 H20 O2



CM 6

CRN 100-42-5

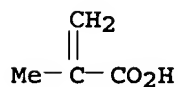
CMF C8 H8



CM 7

CRN 79-41-4

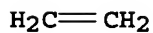
CMF C4 H6 O2



CM 8

CRN 74-85-1

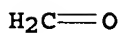
CMF C2 H4



CM 9

CRN 50-00-0

CMF C H2 O



RN 260783-06-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with butyl 2-propenoate, ethene, ethenylbenzene, formaldehyde, oxiranylmethyl 2-methyl-2-propenoate, 2-propenoic acid and 1,3,5-triazine-2,4,6-triamine, ammonium salt (9CI) (CA INDEX

NAME)

CM 1

CRN 260783-05-9

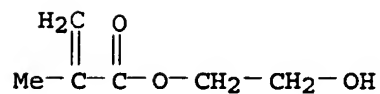
CMF (C8 H8 . C7 H12 O2 . C7 H10 O3 . C6 H10 O3 . C3 H6 N6 . C3 H4
O2 . C2 H4 . C H2 O)x

CCI PMS

CM 2

CRN 868-77-9

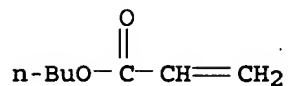
CMF C6 H10 O3



CM 3

CRN 141-32-2

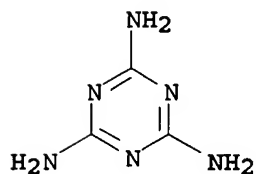
CMF C7 H12 O2



CM 4

CRN 108-78-1

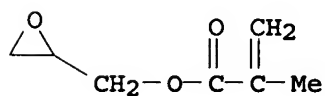
CMF C3 H6 N6



CM 5

CRN 106-91-2

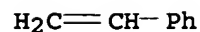
CMF C7 H10 O3



CM 6

CRN 100-42-5

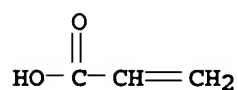
CMF C8 H8



CM 7

CRN 79-10-7

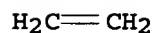
CMF C3 H4 O2



CM 8

CRN 74-85-1

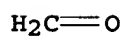
CMF C2 H4



CM 9

CRN 50-00-0

CMF C H2 O



RN 260783-08-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with ethene, ethenylbenzene, 2-ethylhexyl 2-propenoate, formaldehyde, 2-propenoic acid and 1,3,5-triazine-2,4,6-triamine, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 260783-07-1

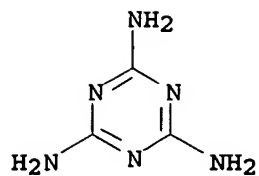
CMF (C11 H20 O2 . C8 H8 . C7 H10 O3 . C3 H6 N6 . C3 H4 O2 . C2 H4 . C H2 O)x

CCI PMS

CM 2

CRN 108-78-1

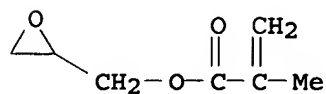
CMF C3 H6 N6



CM 3

CRN 106-91-2

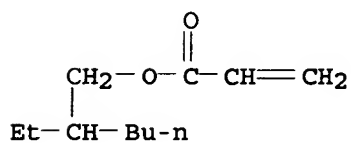
CMF C7 H10 O3



CM 4

CRN 103-11-7

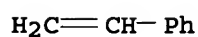
CMF C11 H20 O2



CM 5

CRN 100-42-5

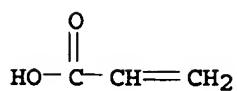
CMF C8 H8



CM 6

CRN 79-10-7

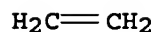
CMF C3 H4 O2



CM 7

CRN 74-85-1

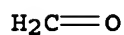
CMF C2 H4



CM 8

CRN 50-00-0

CMF C H2 O



RN 260783-10-6 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethene, 2-ethylhexyl 2-propenoate, formaldehyde, methyl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and 1,3,5-triazine-2,4,6-triamine, sodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 260783-09-3

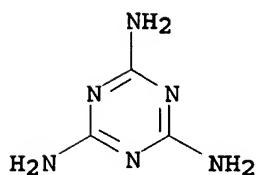
CMF (C11 H20 O2 . C7 H10 O3 . C5 H8 O2 . C4 H6 O2 . C3 H6 N6 . C2 H4 . C H2 O)x

CCI PMS

CM 2

CRN 108-78-1

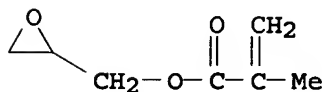
CMF C3 H6 N6



CM 3

CRN 106-91-2

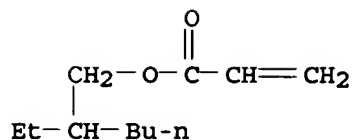
CMF C7 H10 O3



CM 4

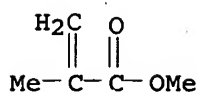
CRN 103-11-7

CMF C11 H20 O2



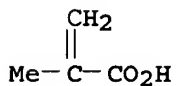
CM 5

CRN 80-62-6
CMF C5 H8 O2



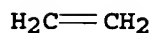
CM 6

CRN 79-41-4
CMF C4 H6 O2



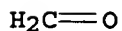
CM 7

CRN 74-85-1
CMF C2 H4



CM 8

CRN 50-00-0
CMF C H2 O



IC ICM C08L023-00
ICS C08G059-00; C08L057-10; C08L061-20; C09D005-00; C09D005-08;
C09D133-00; C09D137-00; C09D161-20; C09D163-00; C09J161-20;
C09J163-00; C08F002-16; C08F002-44
CC 42-7 (Coatings, Inks, and Related Products)
Section cross-reference(s): 38, 55
ST anticorrosive coating carboxy polyolefin epoxy copolymer; melamine

- crosslinking agent anticorrosive coating metal; **adhesive**
 carboxy polyolefin epoxy copolymer crosslinked; galvanized steel
 anticorrosive coating alkali resistance
- IT Coating materials
 (alkali-resistant; aqueous anticorrosive coatings or
adhesives with good alkali resistance and
adhesion with metal substrates or topcoats)
- IT Coating materials
 (anticorrosive, water-thinned; aqueous anticorrosive coatings or
adhesives with good alkali resistance and
adhesion with metal substrates or topcoats)
- IT Galvanized steel
 Metals, miscellaneous
 (aqueous anticorrosive coatings or **adhesives** with good
 alkali resistance and **adhesion** with metal substrates
 or topcoats)
- IT Ionomers
 (reaction products with epoxy polymers and melamine resin; aqueous
 anticorrosive coatings or **adhesives** with good alkali
 resistance and **adhesion** with metal substrates or
 topcoats)
- IT **Adhesives**
 (water-thinned; aqueous anticorrosive coatings or **adhesives**
 with good alkali resistance and **adhesion** with metal
 substrates or topcoats)
- IT 260542-91-4, Acrylic acid-ethylene-2-ethylhexyl
 acrylate-formaldehyde-glycidyl methacrylate-melamine-methacrylic
 acid-polyethylene glycol monomethacrylate-styrene copolymer
 ammonium sodium salt 260783-00-4, Butyl
 acrylate-ethylene-2-ethylhexyl acrylate-formaldehyde-glycidyl
 methacrylate-2-**hydroxyethyl** methacrylate-melamine-
 methacrylic acid-styrene copolymer sodium salt 260783-02-6
 , Acrylic acid-ethylene-2-ethylhexyl acrylate-formaldehyde-
 glycidyl methacrylate-2-**hydroxyethyl**
 methacrylate-melamine-styrene copolymer ammonium salt
 260783-04-8, Ethylene-2-ethylhexyl acrylate-formaldehyde-
 glycidyl methacrylate-melamine-methacrylic acid-polyethylene
 glycol monomethacrylate-styrene copolymer sodium salt
 260783-06-0, Acrylic acid-butyl acrylate-ethylene-
 formaldehyde-glycidyl methacrylate-2-**hydroxyethyl**
 methacrylate-melamine-styrene copolymer ammonium salt
 260783-08-2, Acrylic acid-ethylene-2-ethylhexyl
 acrylate-formaldehyde-glycidyl methacrylate-melamine-styrene
 copolymer ammonium salt 260783-10-6,
 Ethylene-2-ethylhexyl acrylate-formaldehyde-glycidyl
 methacrylate-melamine-methacrylic acid-methyl methacrylate
 copolymer sodium salt
 (aqueous anticorrosive coatings or **adhesives** with good
 alkali resistance and **adhesion** with metal substrates
 or topcoats)

L56 ANSWER 15 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:37931 HCAPLUS

DOCUMENT NUMBER: 132:94391

TITLE: Resin compositions for **adhesives**
 with good ductility, strength, and
adhesive strength

INVENTOR(S): Hata, Kazuyuki; Soka, Akira; Abe, Keizo

PATENT ASSIGNEE(S): Mitsubishi Chemical Industries Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

DOCUMENT TYPE: CODEN: JKXXAF
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: 1 Japanese
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000017121	A2	20000118	JP 1998-187163	1998 0702

PRIORITY APPLN. INFO.: JP 1998-187163

1998
0702

AB The compns. contain (A) 1-99% polyolefins, (B) 1-99% graft copolymers prepared from rubbers, aromatic monovinyl compds., and alkyl (meth)acrylates, and (C) 1-200 parts (to 100 parts A + B) graft copolymers prepared by reaction of (C1) polyolefins having CO₂H, anhydride, epoxy group, OH, or isocyanato group with (C2) radically polymerizable monomers having functional groups reactive with C1 and radical polymerization with (C3) alkyl (meth)acrylates. Thus, Novatec EMA G 400H (ethylene-Me acrylate copolymer) 60, Metablen C 201 (Me methacrylate-butadiene-styrene graft copolymer) 40, and acrylic graft copolymer [prepared from Bondine TX 8030 (ethylene-Et acrylate-maleic anhydride copolymer), 2-hydroxyethyl acrylate, and Me acrylate] 30 parts were mixed to give a composition showing good ductility, breaking strength 74 kg/cm², elongation 510%, and adhesive strength 3.3 kg/2 cm between Novatec HB 330 (HDPE) and KF 1000 (PVDF).

IT 118497-08-8P

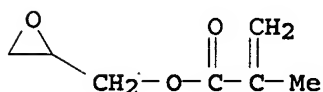
(adhesive resin compns. with good ductility, strength, and adhesive strength)

RN 118497-08-8 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with ethene and methyl 2-propenoate, graft (9CI) (CA INDEX NAME)

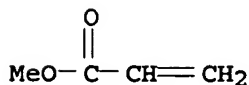
CM 1

CRN 106-91-2
 CMF C7 H10 O3



CM 2

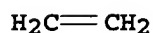
CRN 96-33-3
 CMF C4 H6 O2



CM 3

CRN 74-85-1

CMF C2 H4



IT 107080-92-2, Metablen C 201
(adhesive resin compns. with good ductility,
strength, and adhesive strength)

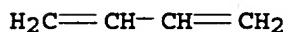
RN 107080-92-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
1,3-butadiene and ethenylbenzene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

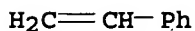
CMF C4 H6



CM 2

CRN 100-42-5

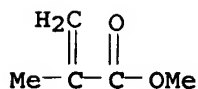
CMF C8 H8



CM 3

CRN 80-62-6

CMF C5 H8 O2



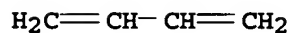
IT 106107-54-4P 694491-73-1P
(styrene-butadiene rubber, hydrogenated, block, triblock,
Kraton G 1652, maleated, hydroxyethyl acrylate
esters, graft polymers with Me methacrylate; adhesive
resin compns. with good ductility, strength, and
adhesive strength)

RN 106107-54-4 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, block (9CI) (CA
INDEX NAME)

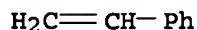
CM 1

CRN 106-99-0
CMF C4 H6



CM 2

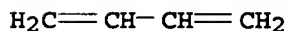
CRN 100-42-5
CMF C8 H8



RN 694491-73-1 HCAPLUS
CN Benzene, ethenyl-, polymer with 1,3-butadiene, triblock (9CI) (CA INDEX NAME)

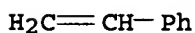
CM 1

CRN 106-99-0
CMF C4 H6



CM 2

CRN 100-42-5
CMF C8 H8



IC ICM C08L023-00
ICS C08L051-04; C08L055-00
CC 38-3 (Plastics Fabrication and Uses)
ST adhesive polyolefin MBS acrylic graft copolymer; HDPE
PVDF adhesion polyolefin graft copolymer; methacrylate
butadiene styrene graft copolymer adhesive; ethylene
acrylate copolymer MBS resin adhesive
IT Fluoropolymers, uses
(adhesion substrate; adhesive resin compns.
with good ductility, strength, and adhesive strength)
IT Adhesives
(adhesive resin compns. with good ductility,
strength, and adhesive strength)
IT Styrene-butadiene rubber, uses
(hydrogenated, block, triblock, Kraton G 1652, maleated,
hydroxyethyl acrylate esters, graft polymers with Me
methacrylate; adhesive resin compns. with good
ductility, strength, and adhesive strength)
IT 25103-74-6, Ethylene-methyl acrylate copolymer

- (Novatec EMA-G 400H; **adhesive** resin compns. with good ductility, strength, and **adhesive** strength)
- IT 24937-78-8, EVA
(Novatec EVA-LV 540; **adhesive** resin compns. with good ductility, strength, and **adhesive** strength)
- IT 9002-88-4, HDPE
(**adhesion** substrate, Novatec HB 330; **adhesive** resin compns. with good ductility, strength, and **adhesive** strength)
- IT 9011-14-7, Parapet GF 1000 24937-79-9, KF 1000
(**adhesion** substrate; **adhesive** resin compns. with good ductility, strength, and **adhesive** strength)
- IT 80-62-6DP, Methyl methacrylate, graft polymers with maleated hydrogenated SBR hydroxyethyl acrylate esters 96-33-3DP, Methyl acrylate, graft polymers with maleated polypropylene hydroxyethyl acrylate esters 108-31-6DP, Maleic anhydride, reaction products with polypropylene or hydrogenated SBR and hydroxyethyl acrylate, graft polymers with Me (meth)acrylate 818-61-1DP, 2-Hydroxyethyl acrylate, esters with maleated polymers, graft polymers with Me (meth)acrylate 9003-07-0DP, Novatec PP MA 2, maleated, hydroxyethyl acrylate esters, graft polymers with Me acrylate 118497-08-8P 152462-56-1P 234076-24-5P
(**adhesive** resin compns. with good ductility, strength, and **adhesive** strength)
- IT 9003-07-0, Novatec FY 6C 25101-13-7, Acryft WK 307
107080-92-2, Metablen C 201
(**adhesive** resin compns. with good ductility, strength, and **adhesive** strength)
- IT 106107-54-4P 694491-73-1P
(styrene-butadiene rubber, hydrogenated, block, triblock, Kraton G 1652, maleated, **hydroxyethyl** acrylate esters, graft polymers with Me methacrylate; **adhesive** resin compns. with good ductility, strength, and **adhesive** strength)

L56 ANSWER 16 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:712128 HCAPLUS

DOCUMENT NUMBER: 130:25726

TITLE: Coating or **adhesive** resin compositions with good resistance to bacteria, mildew and water

INVENTOR(S): Sumimoto, Norifumi; Suzuki, Masnori; Mawatari, Masaaki

PATENT ASSIGNEE(S): Technopolymer K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10292153	A2	19981104	JP 1997-115087	1997 0418

PRIORITY APPLN. INFO.: JP 1997-115087

1997
0418

AB The compns. comprise (A) 30-99 parts thermosetting resins (epoxy resin), and (B) 70-1 parts rubber-reinforced polymers, (C) 1-30 phr (based on A + B) silicone oils, and (D) 0.01-20 phr Ag-based antibacterial agents or/and boric acid-based glass.

IT 106677-58-1P, Acrylonitrile-butadiene-styrene graft copolymer 107080-92-2P, Butadiene-methyl methacrylate-styrene graft copolymer 111930-32-6P, Acrylonitrile-butadiene-methacrylic acid-styrene graft copolymer 129698-81-3P, Acrylonitrile-butadiene-2-hydroxyethyl methacrylate-styrene graft copolymer 136297-57-9P, Butadiene-glycidyl methacrylate-methyl methacrylate-styrene graft copolymer 216211-90-4P, Dimethylaminoethyl acrylate-ethylene oxide-methyl methacrylate-propylene oxide-styrene block graft copolymer (modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)

RN 106677-58-1 HCAPLUS

CN 2-Propenenitrile, polymer with 1,3-butadiene and ethenylbenzene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 107-13-1

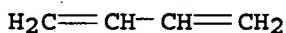
CMF C3 H3 N



CM 2

CRN 106-99-0

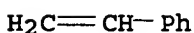
CMF C4 H6



CM 3

CRN 100-42-5

CMF C8 H8



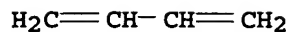
RN 107080-92-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene and ethenylbenzene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

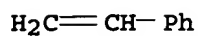
CMF C4 H6



CM 2

CRN 100-42-5

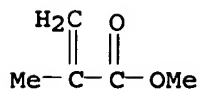
CMF C8 H8



CM 3

CRN 80-62-6

CMF C5 H8 O2



RN 111930-32-6 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene,
ethenylbenzene and 2-propenenitrile, graft (9CI) (CA INDEX NAME)

CM 1

CRN 107-13-1

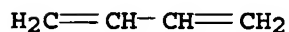
CMF C3 H3 N



CM 2

CRN 106-99-0

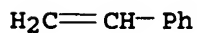
CMF C4 H6



CM 3

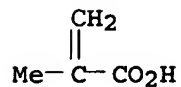
CRN 100-42-5

CMF C8 H8



CM 4

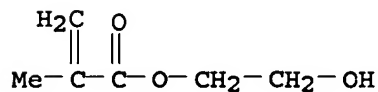
CRN 79-41-4
CMF C4 H6 O2



RN 129698-81-3 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with
1,3-butadiene, ethenylbenzene and 2-propenenitrile, graft (9CI)
(CA INDEX NAME)

CM 1

CRN 868-77-9
CMF C6 H10 O3



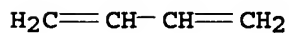
CM 2

CRN 107-13-1
CMF C3 H3 N



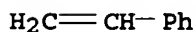
CM 3

CRN 106-99-0
CMF C4 H6



CM 4

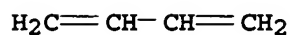
CRN 100-42-5
CMF C8 H8



RN 136297-57-9 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
1,3-butadiene, ethenylbenzene and oxiranylmethyl
2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

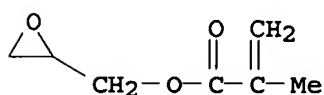
CM 1

CRN 106-99-0
CMF C4 H6



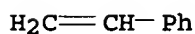
CM 2

CRN 106-91-2
CMF C7 H10 O3



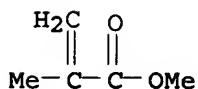
CM 3

CRN 100-42-5
CMF C8 H8



CM 4

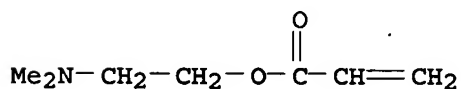
CRN 80-62-6
CMF C5 H8 O2



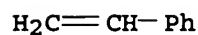
RN 216211-90-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
2-(dimethylamino)ethyl 2-propenoate, ethenylbenzene, methyloxirane
and oxirane, block, graft (9CI) (CA INDEX NAME)

CM 1

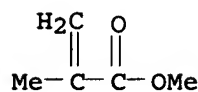
CRN 2439-35-2
CMF C7 H13 N O2



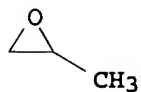
CM 2

CRN 100-42-5
CMF C8 H8

CM 3

CRN 80-62-6
CMF C5 H8 O2

CM 4

CRN 75-56-9
CMF C3 H6 O

CM 5

CRN 75-21-8
CMF C2 H4 O

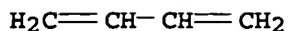
IT 106107-54-4P 694491-73-1P
(styrene-butadiene rubber, hydrogenated, block, triblock,
vinyl-grafted; coating or **adhesive** resin compns. with
good resistance to bacteria, mildew and water)

RN 106107-54-4 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, block (9CI) (CA
INDEX NAME)

CM 1

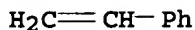
CRN 106-99-0
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



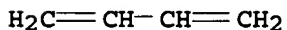
RN 694491-73-1 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, triblock (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

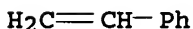
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



IC ICM C09D201-00

ICS C09D151-04; C09J151-04; C09J201-00

CC 37-3 (Plastics Manufacture and Processing)

Section cross-reference(s): 38, 39, 42

ST antibacterial water resistance thermosetting resin compn; coating thermosetting compn antibacterial water resistance; adhesive thermosetting compn mildew water resistance; binder thermosetting compn antibacterial water resistance; borate glass antibacterial coating adhesive binder; silver compd antibacterial coating adhesive binder; rubber modified polymer coating adhesive binder; vinyl grafted butadiene rubber thermosetting compn

IT Butadiene rubber, preparation (acrylonitrile- and styrene-grafted, modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)

IT Silicone rubber, preparation (acrylonitrile- and styrene-grafted; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)

IT Butadiene rubber, preparation (acrylonitrile-, hydroxyethyl methacrylate- and styrene-grafted, modifiers; coating or adhesive resin

- compns. with good resistance to bacteria, mildew and water)
- IT Acrylic rubber
(acrylonitrile-, maleic anhydride- and styrene-grafted, modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Butadiene rubber, preparation
(acrylonitrile-, methacrylic acid- and styrene-grafted, modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Silicone rubber, preparation
(acrylonitrile-, methacrylic acid-, and styrene-grafted; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Acrylic rubber
Synthetic rubber, preparation
(acrylonitrile-Bu acrylate-styrene, graft; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Coating materials
(antifouling; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Coating materials
(bactericidal; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Acrylic rubber
Synthetic rubber, preparation
(butadiene-Me methacrylate-styrene, graft, modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Synthetic rubber, preparation
(butadiene-glycidyl methacrylate-Me methacrylate-styrene, graft, modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Phenolic resins, preparation
(coating or adhesive resin compns. and rubber-reinforced resins for improving resistance to bacteria, mildew and water)
- IT **Adhesives**
Antibacterial agents
Fungicides
(coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Borate glasses
(coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Epoxy resins, preparation
Polymer blends
(coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Synthetic rubber, preparation
(dimethylaminoethyl acrylate-ethylene oxide-Me methacrylate-propylene oxide-styrene, block, graft, modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Styrene-butadiene rubber, preparation
(hydrogenated, block, triblock, vinyl-grafted; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Phenolic resins, preparation
(novolak; coating or adhesive resin compns. with good

- resistance to bacteria, mildew and water)
- IT Polysiloxanes, uses
(oils; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Plastics, preparation
(thermosetting; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT Coating materials
(water-resistant; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT 5489-14-5, Silver propionate
(antibacterial agents; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT 9003-17-2P
(butadiene rubber, acrylonitrile- and styrene-grafted, modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT 9003-17-2P
(butadiene rubber, acrylonitrile-, hydroxyethyl methacrylate- and styrene-grafted, modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT 9003-17-2P
(butadiene rubber, acrylonitrile-, methacrylic acid- and styrene-grafted, modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT 9003-35-4P, Formaldehyde-phenol copolymer 9011-14-7P, PMMA 25068-38-6P, Bisphenol A-epichlorohydrin copolymer
(coating or adhesive resin compns. and rubber-reinforced resins for improving resistance to bacteria, mildew and water)
- IT 79-41-4DP, Methacrylic acid, graft copolymer with rubbers and other vinyl compds. 98-83-9DP, α -Methylstyrene, graft copolymer with SEBS rubber 107-13-1DP, Acrylonitrile, graft copolymer with rubbers and other vinyl compds. 108-31-6DP, Maleic anhydride, graft copolymer with rubbers and other vinyl compds. 868-77-9DP, 2-Hydroxyethyl methacrylate, graft copolymer with rubbers and other vinyl compds. 106677-58-1P, Acrylonitrile-butadiene-styrene graft copolymer 107080-92-2P, Butadiene-methyl methacrylate-styrene graft copolymer 108554-70-7P, Acrylonitrile-butyl acrylate-styrene graft copolymer 111930-32-6P, Acrylonitrile-butadiene-methacrylic acid-styrene graft copolymer 129698-81-3P, Acrylonitrile-butadiene-2-hydroxyethyl methacrylate-styrene graft copolymer 136297-57-9P, Butadiene-glycidyl methacrylatemethyl methacrylate-styrene graft copolymer 216211-90-4P, Dimethylaminoethyl acrylate-ethylene oxide-methyl methacrylate-propylene oxide-styrene block graft copolymer
(modifiers; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)
- IT 31900-57-9, Dimethylsilanediol homopolymer
(oils; coating or adhesive resin compns. and rubber-reinforced resins for improving resistance to bacteria, mildew and water)
- IT 106107-54-4P 694491-73-1P
(styrene-butadiene rubber, hydrogenated, block, triblock, vinyl-grafted; coating or adhesive resin compns. with good resistance to bacteria, mildew and water)

L56 ANSWER 17 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1998:579861 HCAPLUS
 DOCUMENT NUMBER: 129:246083
 TITLE: Rubber-modified thermosetting resin
 compositions with improved impact resistance
 and good flexibility
 INVENTOR(S): Sumimoto, Norifumi; Suzuki, Masanori;
 Mawatari, Masaaki
 PATENT ASSIGNEE(S): Technopolymer K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10231387	A2	19980902	JP 1997-46938	

1997
0217

PRIORITY APPLN. INFO.: JP 1997-46938

1997
0217

AB The compns. mainly contain 30-99:70-1 blends of (A) thermosetting polymers and (B) rubber-reinforced polymers prepared by polymerizing vinyl monomers in the presence of elastomers and are useful for adhesives, coatings, linings, and sealants (no data) and moldings. Thus, 45 parts styrene was copolymerized with 15 parts acrylonitrile in the presence of 40 parts polybutadiene to give a rubber-modified graft copolymer (I) with grafted component content 55%. A composition containing 20 parts I, 80 parts epoxy resin, and an amine curing agent was molded in a mold to give test pieces exhibiting bending strength (JIS K-6911) 780 kg/cm², bending modulus 76,000 kg, and impact strength 5.5 kg/cm-cm.

IT 106677-58-1DP, Acrylonitrile-butadiene-styrene graft copolymer, polymers with amine-crosslinked epoxy resins 107080-92-2DP, Butadiene-methyl methacrylate-styrene graft copolymer, polymers with amine-crosslinked acrylic polymers or epoxy resins 107240-54-0DP, Acrylonitrile-butadiene-maleic anhydride-styrene graft copolymer, polymers with amine-crosslinked phenolic resins 110726-80-2DP, Acrylonitrile-ethylene-propylene-styrene graft copolymer, polymers with amine-crosslinked acrylic polymers 111306-48-0DP, Acrylonitrile-butadiene-glycidyl methacrylate-styrene graft copolymer, polymers with amine-crosslinked epoxy resins 111930-32-6DP, Acrylonitrile-butadiene-methacrylic acid-styrene graft copolymer, polymers with amine-crosslinked phenolic resins 129698-81-3DP, Acrylonitrile-butadiene-hydroxyethyl methacrylate-styrene graft copolymer, polymers with amine-crosslinked acrylic polymers 213128-41-7DP, Acrylonitrile-butadiene-(dimethylamino)ethyl methacrylate-styrene graft copolymer, polymers with amine-crosslinked epoxy resins (rubber-modified thermosetting resin compns. with improved impact resistance and good flexibility)

RN 106677-58-1 HCAPLUS

CN 2-Propenenitrile, polymer with 1,3-butadiene and ethenylbenzene,

graft (9CI) (CA INDEX NAME)

CM 1

CRN 107-13-1

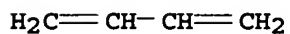
CMF C3 H3 N



CM 2

CRN 106-99-0

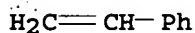
CMF C4 H6



CM 3

CRN 100-42-5

CMF C8 H8



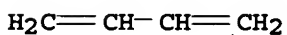
RN 107080-92-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
1,3-butadiene and ethenylbenzene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 106-99-0

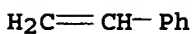
CMF C4 H6



CM 2

CRN 100-42-5

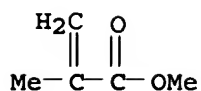
CMF C8 H8



CM 3

CRN 80-62-6

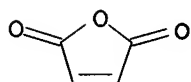
CMF C5 H8 O2



RN 107240-54-0 HCAPLUS
CN 2-Propenenitrile, polymer with 1,3-butadiene, ethenylbenzene and
2,5-furandione, graft (9CI) (CA INDEX NAME)

CM 1

CRN 108-31-6
CMF C4 H2 O3



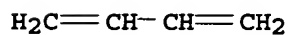
CM 2

CRN 107-13-1
CMF C3 H3 N



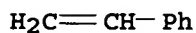
CM 3

CRN 106-99-0
CMF C4 H6



CM 4

CRN 100-42-5
CMF C8 H8



RN 110726-80-2 HCAPLUS
CN 2-Propenenitrile, polymer with ethene, ethenylbenzene and
1-propene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 115-07-1
CMF C3 H6



CM 2

CRN 107-13-1

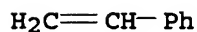
CMF C3 H3 N



CM 3

CRN 100-42-5

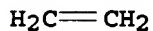
CMF C8 H8



CM 4

CRN 74-85-1

CMF C2 H4



RN 111306-48-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with
1,3-butadiene, ethenylbenzene and 2-propenenitrile, graft (9CI)
(CA INDEX NAME)

CM 1

CRN 107-13-1

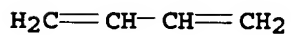
CMF C3 H3 N



CM 2

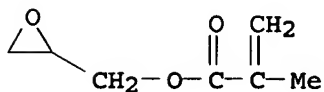
CRN 106-99-0

CMF C4 H6



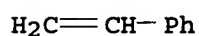
CM 3

CRN 106-91-2
CMF C7 H10 O3



CM 4

CRN 100-42-5
CMF C8 H8



RN 111930-32-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene,
ethenylbenzene and 2-propenenitrile, graft (9CI) (CA INDEX NAME)

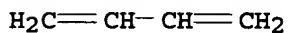
CM 1

CRN 107-13-1
CMF C3 H3 N



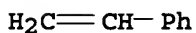
CM 2

CRN 106-99-0
CMF C4 H6



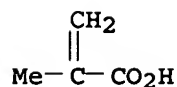
CM 3

CRN 100-42-5
CMF C8 H8



CM 4

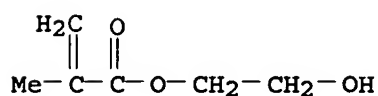
CRN 79-41-4
CMF C4 H6 O2



RN 129698-81-3 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with
 1,3-butadiene, ethenylbenzene and 2-propenenitrile, graft (9CI)
 (CA INDEX NAME)

CM 1

CRN 868-77-9
 CMF C6 H10 O3



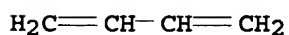
CM 2

CRN 107-13-1
 CMF C3 H3 N



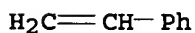
CM 3

CRN 106-99-0
 CMF C4 H6



CM 4

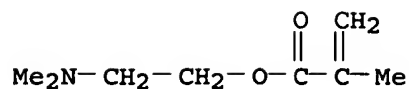
CRN 100-42-5
 CMF C8 H8



RN 213128-41-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer
 with 1,3-butadiene, ethenylbenzene and 2-propenenitrile, graft
 (9CI) (CA INDEX NAME)

CM 1

CRN 2867-47-2
 CMF C8 H15 N O2



CM 2

CRN 107-13-1

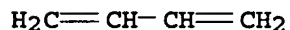
CMF C3 H3 N



CM 3

CRN 106-99-0

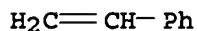
CMF C4 H6



CM 4

CRN 100-42-5

CMF C8 H8



IC ICM C08L021-00

ICS C08L051-04; C08L101-00

CC 37-6 (Plastics Manufacture and Processing)

Section cross-reference(s): 38, 39, 42

IT **Adhesives**

Coating materials

Sealing compositions

(rubber-modified thermosetting resin compns. with improved impact resistance and good flexibility for)

IT 106677-58-1DP, Acrylonitrile-butadiene-styrene graft copolymer, polymers with amine-crosslinked epoxy resins
107080-92-2DP, Butadiene-methyl methacrylate-styrene graft copolymer, polymers with amine-crosslinked acrylic polymers or epoxy resins 107240-54-0DP, Acrylonitrile-butadiene-maleic anhydride-styrene graft copolymer, polymers with amine-crosslinked phenolic resins 109216-33-3DP, Butyl acrylate-methyl methacrylate-styrene graft copolymer, polymers with amine-crosslinked phenolic resins 110726-80-2DP, Acrylonitrile-ethylene-propylene-styrene graft copolymer, polymers with amine-crosslinked acrylic polymers 111306-48-0DP, Acrylonitrile-butadiene-glycidyl methacrylate-styrene graft copolymer, polymers with amine-crosslinked epoxy resins 111930-32-6DP, Acrylonitrile-butadiene-methacrylic

acid-styrene graft copolymer, polymers with amine-crosslinked phenolic resins 129698-81-3DP, Acrylonitrile-butadiene-hydroxyethyl methacrylate-styrene graft copolymer, polymers with amine-crosslinked acrylic polymers 213128-41-7DP, Acrylonitrile-butadiene-(dimethylamino)ethyl methacrylate-styrene graft copolymer, polymers with amine-crosslinked epoxy resins (rubber-modified thermosetting resin compns. with improved impact resistance and good flexibility)

L56 ANSWER 18 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:101431 HCAPLUS

DOCUMENT NUMBER: 126:111041

TITLE: Radiation-sensitive resist composition containing unsaturated polymer, unsaturated monomer, rubber, and epoxy resin

INVENTOR(S): Chiba, Hideki; Katsuta, Tetsuo; Hirai, Takeshi; Shimoda, Sugiyo

PATENT ASSIGNEE(S): Japan Synthetic Rubber Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 08292574	A2	19961105	JP 1995-94652	1995 0420

PRIORITY APPLN. INFO.: JP 1995-94652

1995
0420

AB The composition contains (A) unsatd. group-substituted resin prepared from a (a) copolymer of an unsatd. carboxylic acid and other radically polymerizable monomer and (b) epoxy-substituted radically polymerizable monomer, (B) a compound substituted with ≥ 1 ethylenic double bond, (C) a radiation polym. initiator, (D) a rubber, and (D) an epoxy resin. The composition is useful for forming interlayer elec. insulator film between elec. circuits, i.e., multilayer circuit board, etc., showing good adhesion and resistance to coating.

IT 9003-56-9

(abs. rubber, radiation-sensitive resist containing unsatd. polymer, unsatd. monomer, rubber, and epoxy resin for interlayer elec. insulator)

RN 9003-56-9 HCAPLUS

CN 2-Propenenitrile, polymer with 1,3-butadiene and ethenylbenzene (9CI) (CA INDEX NAME)

CM 1

CRN 107-13-1

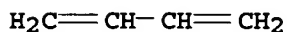
CMF C3 H3 N



CM 2

CRN 106-99-0

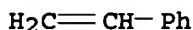
CMF C4 H6



CM 3

CRN 100-42-5

CMF C8 H8

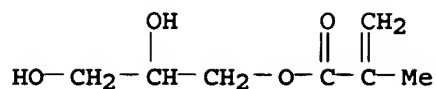


- IT 177017-77-5P, Butadiene-dicyclopentanyl
methacrylate-methacrylic acid copolymer ester with glycidyl
methacrylate 177017-78-6P, Crotonic acid-isobornyl
methacrylate-isoprene-styrene copolymer ester with 6,7-
epoxyheptyl methacrylate ester 177017-79-7P,
Benzyl methacrylate;1,3-butadiene;itaconic acid- α -
methylstyrene copolymer ester with 6,7-**epoxyheptyl**
 α -ethylacrylate 177017-80-0P, sec-Butyl
methacrylate-isoprene-methacrylic acid-styrene copolymer 6,7-
epoxyheptyl methacrylate ester 186003-09-8P,
Itaconic acid-methyl methacrylate-styrene copolymer glycidyl
methacrylate ester 186003-10-1P, Dicyclopentanyl
methacrylate-methacrylic acid-styrene copolymer glycidyl
methacrylate ester 186003-11-2P, Isobornyl
methacrylate-methacrylic acid-styrene copolymer glycidyl
methacrylate ester 186003-12-3P, Dicyclopentanyl
methacrylate-2-hydroxyethyl methacrylate-methacrylic acid-styrene
copolymer glycidyl methacrylate ester
(radiation-sensitive resist containing unsatd. polymer, unsatd.
monomer, rubber, and **epoxy** resin for interlayer elec.
insulator)
- RN 177017-77-5 HCAPLUS
- CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene and
octahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propenoate,
2-hydroxy-3-[(2-methyl-1-oxo-2-propenyl)oxyl]propyl ester (9CI)
(CA INDEX NAME)

CM 1

CRN 5919-74-4

CMF C7 H12 O4



CM 2

CRN 176676-88-3

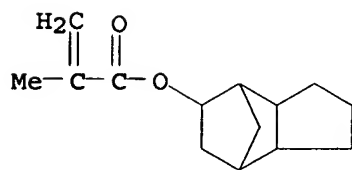
CMF (C14 H20 O2 . C4 H6 O2 . C4 H6)x

CCI PMS

CM 3

CRN 34759-34-7

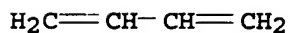
CMF C14 H20 O2



CM 4

CRN 106-99-0

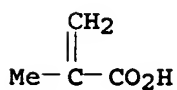
CMF C4 H6



CM 5

CRN 79-41-4

CMF C4 H6 O2



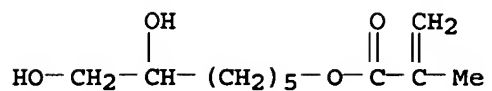
RN 177017-78-6 HCAPLUS

CN 2-Butenoic acid, polymer with ethenylbenzene, 2-methyl-1,3-butadiene and exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate, 2-hydroxy-7-[(2-methyl-1-oxo-2-propenyl)oxy]heptyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 176836-92-3

CMF C11 H20 O4



CM 2

CRN 176676-89-4

CMF (C14 H22 O2 . C8 H8 . C5 H8 . C4 H6 O2)x

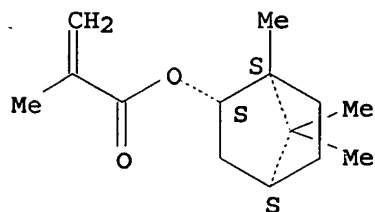
CCI PMS

CM 3

CRN 7534-94-3

CMF C14 H22 O2

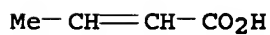
Relative stereochemistry.



CM 4

CRN 3724-65-0

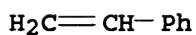
CMF C4 H6 O2



CM 5

CRN 100-42-5

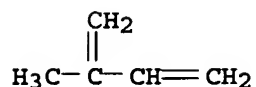
CMF C8 H8



CM 6

CRN 78-79-5

CMF C5 H8



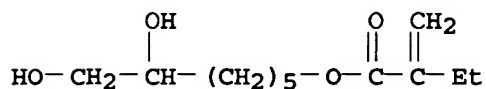
RN 177017-79-7 HCAPLUS

CN Butanedioic acid, methylene-, polymer with 1,3-butadiene, (1-methylethenyl)benzene and phenylmethyl 2-methyl-2-propenoate, 2-hydroxy-7-(2-methylene-1-oxobutoxy)heptyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 176676-92-9

CMF C12 H22 O4



CM 2

CRN 176676-91-8

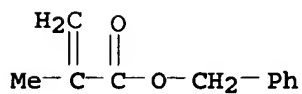
CMF (C11 H12 O2 . C9 H10 . C5 H6 O4 . C4 H6)x

CCI PMS

CM 3

CRN 2495-37-6

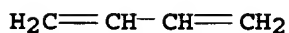
CMF C11 H12 O2



CM 4

CRN 106-99-0

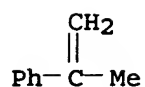
CMF C4 H6



CM 5

CRN 98-83-9

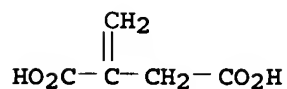
CMF C9 H10



CM 6

CRN 97-65-4

CMF C5 H6 O4



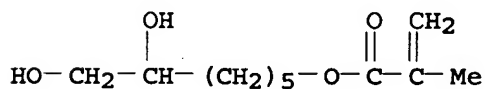
RN 177017-80-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene,
2-methyl-1,3-butadiene and 1-methylpropyl 2-methyl-2-propenoate,
2-hydroxy-7-[(2-methyl-1-oxo-2-propenyl)oxy]heptyl ester (9CI)
(CA INDEX NAME)

CM 1

CRN 176836-92-3

CMF C11 H20 O4



CM 2

CRN 176676-93-0

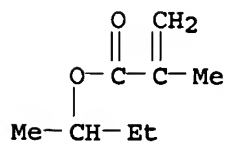
CMF (C8 H14 O2 . C8 H8 . C5 H8 . C4 H6 O2)x

CCI PMS

CM 3

CRN 2998-18-7

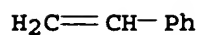
CMF C8 H14 O2



CM 4

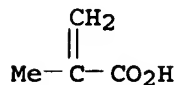
CRN 100-42-5

CMF C8 H8



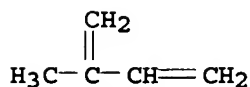
CM 5

CRN 79-41-4
CMF C4 H6 O2



CM 6

CRN 78-79-5
CMF C5 H8

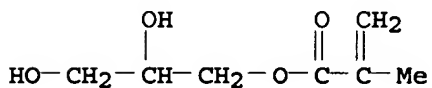


RN 186003-09-8 HCAPLUS

CN Butanedioic acid, methylene-, polymer with ethenylbenzene and methyl 2-methyl-2-propenoate, 2-hydroxy-3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 5919-74-4
CMF C7 H12 O4

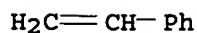


CM 2

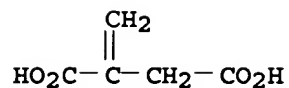
CRN 73691-96-0
CMF (C8 H8 . C5 H8 O2 . C5 H6 O4)x
CCI PMS

CM 3

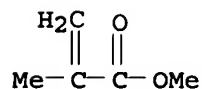
CRN 100-42-5
CMF C8 H8



CM 4

CRN 97-65-4
CMF C5 H6 O4

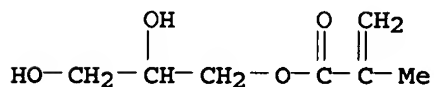
CM 5

CRN 80-62-6
CMF C5 H8 O2

RN 186003-10-1 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene and octahydro-4,7-methano-1H-inden-5-yl 2-methyl-2-propenoate, 2-hydroxy-3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl ester (9CI)
(CA INDEX NAME)

CM 1

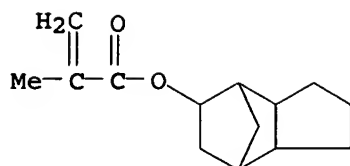
CRN 5919-74-4
CMF C7 H12 O4

CM 2

CRN 163392-27-6
CMF (C14 H20 O2 . C8 H8 . C4 H6 O2)x
CCI PMS

CM 3

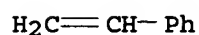
CRN 34759-34-7
CMF C14 H20 O2



CM 4

CRN 100-42-5

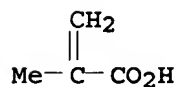
CMF C8 H8



CM 5

CRN 79-41-4

CMF C4 H6 O2



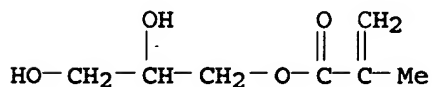
RN 186003-11-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene and
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate,
2-hydroxy-3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl ester (9CI)
(CA INDEX NAME)

CM 1

CRN 5919-74-4

CMF C7 H12 O4



CM 2

CRN 185847-58-9

CMF (C14 H22 O2 . C8 H8 . C4 H6 O2)x

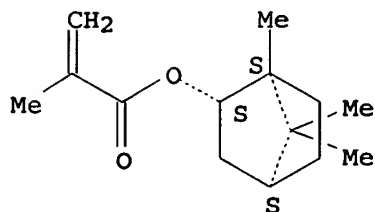
CCI PMS

CM 3

CRN 7534-94-3

CMF C14 H22 O2

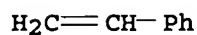
Relative stereochemistry.



CM 4

CRN 100-42-5

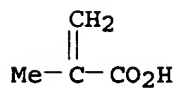
CMF C8 H8



CM 5

CRN 79-41-4

CMF C4 H6 O2



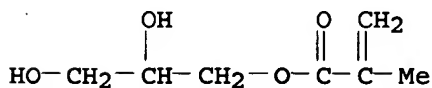
RN 186003-12-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene,
2-hydroxyethyl 2-methyl-2-propenoate and octahydro-4,7-methano-1H-
inden-5-yl 2-methyl-2-propenoate, 2-hydroxy-3-[(2-methyl-1-oxo-2-
propenyl)oxy]propyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 5919-74-4

CMF C7 H12 O4



CM 2

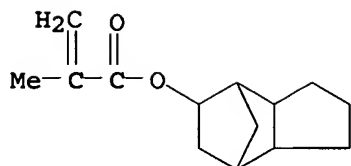
CRN 185847-59-0

CMF (C14 H20 O2 . C8 H8 . C6 H10 O3 . C4 H6 O2)x

CCI PMS

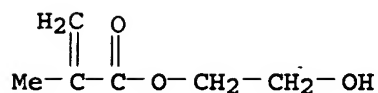
CM 3

CRN 34759-34-7
CMF C14 H20 O2



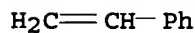
CM 4

CRN 868-77-9
CMF C6 H10 O3



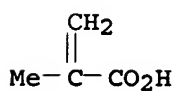
CM 5

CRN 100-42-5
CMF C8 H8



CM 6

CRN 79-41-4
CMF C4 H6 O2



IT 9003-56-9, ABS (polymer) 9010-81-5,
Acrylonitrile-butadiene-methacrylic acid copolymer
31157-79-6, Acrylonitrile-butadiene-glycidyl methacrylate
copolymer 61155-82-6, Acrylonitrile-butadiene-2-
hydroxyethyl methacrylate copolymer 186003-13-4,
Acrylonitrile;1,3-butadiene;methacrylic acid copolymer ester with
glycidyl methacrylate
(rubber; radiation-sensitive resist containing unsatd. polymer,
unsatd. monomer, rubber, and epoxy resin for
interlayer elec. insulator)
RN 9003-56-9 HCAPLUS
CN 2-Propenenitrile, polymer with 1,3-butadiene and ethenylbenzene
(9CI) (CA INDEX NAME)

CM 1

CRN 107-13-1

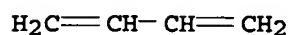
CMF C3 H3 N



CM 2

CRN 106-99-0

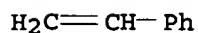
CMF C4 H6



CM 3

CRN 100-42-5

CMF C8 H8



RN 9010-81-5 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene and
2-propenenitrile (9CI) (CA INDEX NAME)

CM 1

CRN 107-13-1

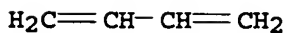
CMF C3 H3 N



CM 2

CRN 106-99-0

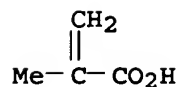
CMF C4 H6



CM 3

CRN 79-41-4

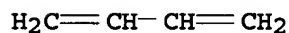
CMF C4 H6 O2



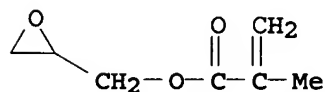
RN 31157-79-6 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with
 1,3-butadiene and 2-propenenitrile (9CI) (CA INDEX NAME)
 CM 1
 CRN 107-13-1
 CMF C3 H3 N



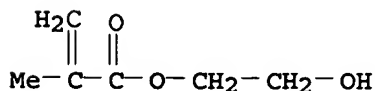
CM 2
 CRN 106-99-0
 CMF C4 H6



CM 3
 CRN 106-91-2
 CMF C7 H10 O3



RN 61155-82-6 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with
 1,3-butadiene and 2-propenenitrile (9CI) (CA INDEX NAME)
 CM 1
 CRN 868-77-9
 CMF C6 H10 O3



CM 2
 CRN 107-13-1

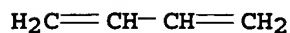
CMF C3 H3 N



CM 3

CRN 106-99-0

CMF C4 H6



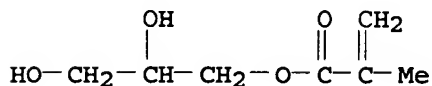
RN 186003-13-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 1,3-butadiene and 2-propenenitrile, 2-hydroxy-3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 5919-74-4

CMF C7 H12 O4



CM 2

CRN 9010-81-5

CMF (C4 H6 O2 . C4 H6 . C3 H3 N)x

CCI PMS

CM 3

CRN 107-13-1

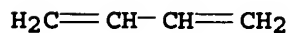
CMF C3 H3 N



CM 4

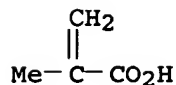
CRN 106-99-0

CMF C4 H6



CM 5

CRN 79-41-4
CMF C4 H6 O2



- IC ICM G03F007-032
ICS G03F007-038; H05K003-06
- CC 74-5 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 38, 76
- ST radiation sensitive resist unsatd polymer; rubber blend radiation resist; epoxy resin blend radiation resist; elec insulator interlayer radiation resist; **adhesion** elec circuit interlayer insulator; copper coating resistance insulator circuit; multilayer circuit interlayer elec insulator
- IT 9003-56-9
(abs rubber, radiation-sensitive resist containing unsatd. polymer, unsatd. monomer, rubber, and **epoxy** resin for interlayer elec. insulator)
- IT 177017-77-5P, Butadiene-dicyclopentanyl methacrylate-methacrylic acid copolymer ester with glycidyl methacrylate 177017-78-6P, Crotonic acid-isobornyl methacrylate-isoprene-styrene copolymer ester with 6,7-**epoxyheptyl** methacrylate ester 177017-79-7P, Benzyl methacrylate;1,3-butadiene;itaconic acid- α -methylstyrene copolymer ester with 6,7-**epoxyheptyl** α -ethylacrylate 177017-80-0P, sec-Butyl methacrylate-isoprene-methacrylic acid-styrene copolymer 6,7-**epoxyheptyl** methacrylate ester 186003-08-7P, Crotonic acid-diethyl maleate- α -methylstyrene copolymer 6,7-epoxyheptyl α -ethylacrylate ester 186003-09-8P, Itaconic acid-methyl methacrylate-styrene copolymer glycidyl methacrylate ester 186003-10-1P, Dicyclopentanyl methacrylate-methacrylic acid-styrene copolymer glycidyl methacrylate ester 186003-11-2P, Isobornyl methacrylate-methacrylic acid-styrene copolymer glycidyl methacrylate ester 186003-12-3P, Dicyclopentanyl methacrylate-2-hydroxyethyl methacrylate-methacrylic acid-styrene copolymer glycidyl methacrylate ester
(radiation-sensitive resist containing unsatd. polymer, unsatd. monomer, rubber, and **epoxy** resin for interlayer elec. insulator)
- IT 9003-56-9, ABS (polymer) 9010-81-5, Acrylonitrile-butadiene-methacrylic acid copolymer 31157-79-6, Acrylonitrile-butadiene-glycidyl methacrylate copolymer 61155-82-6, Acrylonitrile-butadiene-2-hydroxyethyl methacrylate copolymer 186003-13-4, Acrylonitrile;1,3-butadiene;methacrylic acid copolymer ester with glycidyl methacrylate
(rubber; radiation-sensitive resist containing unsatd. polymer, unsatd. monomer, rubber, and **epoxy** resin for interlayer elec. insulator)

L56 ANSWER 19 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:229151 HCAPLUS

DOCUMENT NUMBER: 124:263622
 TITLE: Crosslinkable coating compositions of
 epoxidized monohydroxylated diene polymers,
 amino resins, and reactive reinforcing agents
 INVENTOR(S): St.Clair, David J.
 PATENT ASSIGNEE(S): Shell Oil Co., USA
 SOURCE: U.S., 10 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE
US 5500481	A	19960319	US 1995-444080	1995 0517
CA 2202276	AA	19960418	CA 1995-2202276	1995 1009
WO 9611215	A2	19960418	WO 1995-EP4012	1995 1009
WO 9611215	A3	19960620		
W: BR, CA, CN, JP, KR, MX				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 785953	A2	19970730	EP 1995-936475	1995 1009
EP 785953	B1	19990414		
R: BE, DE, ES, FR, GB, IT, NL				
BR 9509291	A	19970916	BR 1995-9291	1995 1009
CN 1160405	A	19970924	CN 1995-195580	1995 1009
CN 1080727	B	20020313		
JP 10506946	T2	19980707	JP 1995-512342	1995 1009
ES 2130668	T3	19990701	ES 1995-936475	1995 1009
PRIORITY APPLN. INFO.:			US 1994-320800	A 1994 1011
			US 1994-320804	A 1994 1011
			US 1994-320807	A 1994 1011
			US 1995-444080	A

1995
0517

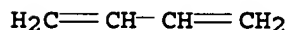
WO 1995-EP4012

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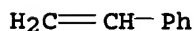
1995
1009

- AB The compns. comprise mixts. of epoxidized monohydroxylated diene polymers [epoxy content 0.2-0.7 (sic) mequiv/g] comprising ≥ 2 unsatd. hydrocarbon monomers wherein ≥ 1 of the monomers is a diene monomer which yields polymer unsatn. that is suitable for epoxidn. 30-90, amino resin crosslinking agents 8-60, and reinforcing agents reactive toward the amino resin 2-40%. Thus, a coating was prepared from a mixture of epoxidized monohydroxy-terminated butadiene-isoprene-styrene diblock copolymer (epoxy content 1.5 mequiv/g, having an epoxidized polyisoprene block of weight-average mol. weight 2000 and a HO-terminated hydrogenated butadiene-styrene random copolymer block of mol. weight 4000) 65, 2-ethyl-1,3-hexanediol 15, Cymel 1141 20, Cycat 600 0.7 and Bu Oxitol 67 parts.
- IT 110389-01-0D, Butadiene-isoprene-styrene block copolymer, epoxidized and hydrogenated, hydroxy-terminated
701914-40-1D, epoxidized and hydrogenated, hydroxy-terminated
(diblock; coating compns. of epoxidized monohydroxylated diene polymers, amino resins, and reactive reinforcing agents)
- RN 110389-01-0 HCAPLUS
- CN Benzene, ethenyl-, polymer with 1,3-butadiene and 2-methyl-1,3-butadiene, block (9CI) (CA INDEX NAME)

CM 1

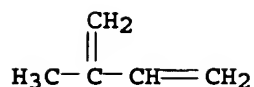
CRN 106-99-0
CMF C4 H6

CM 2

CRN 100-42-5
CMF C8 H8

CM 3

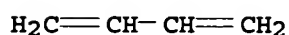
CRN 78-79-5
CMF C5 H8



RN 701914-40-1 HCAPLUS
 CN Benzene, ethenyl-, polymer with 1,3-butadiene and
 2-methyl-1,3-butadiene, diblock (9CI) (CA INDEX NAME)

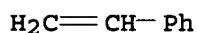
CM 1

CRN 106-99-0
 CMF C4 H6



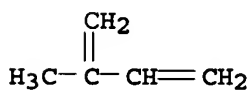
CM 2

CRN 100-42-5
 CMF C8 H8



CM 3

CRN 78-79-5
 CMF C5 H8



IC ICM C08L053-00
 ICS C08L053-02; C08L061-28; C08L061-24
 INCL 525-92K
 CC 42-10 (Coatings, Inks, and Related Products)

Section cross-reference(s): 38

IT **Adhesives**

Coating materials

Sealing compositions

(crosslinkable compns. of epoxidized monohydroxylated diene
 polymers, amino resins, and reactive reinforcing agents)

IT 110389-01-0D, Butadiene-isoprene-styrene block copolymer,
 epoxidized and hydrogenated, **hydroxy-terminated**
 701914-40-1D, epoxidized and hydrogenated,
hydroxy-terminated
 (diblock; coating compns. of **epoxidized**
 monohydroxylated diene polymers, amino resins, and reactive
 reinforcing agents)

L56 ANSWER 20 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:650242 HCAPLUS
 DOCUMENT NUMBER: 123:201434
 TITLE: Isocyanate resin compositions and hot-melt
 pressure-sensitive adhesives based
 thereon
 INVENTOR(S): Kawasaki, Eiichi; Doi, Kiyoto; Kitamura,
 Tadashi; Suewaka, Kousuke; Shinkoda, Kazuya
 PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Inc., Japan
 SOURCE: U.S., 30 pp. Cont.-in-part of U.S. Ser. No.
 914,342, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5418288	A	19950523	US 1993-2870	1993 0115
JP 05345886	A2	19931227	JP 1992-214622	1992 0720
JP 3296850	B2	20020702		
JP 06158017	A2	19940607	JP 1992-318820	1992 1127
JP 06158014	A2	19940607	JP 1992-318821	1992 1127
US 5633317	A	19970527	US 1994-301934	1994 0907
PRIORITY APPLN. INFO.:			JP 1991-178272	A 1991 0718
			JP 1991-287667	A 1991 1101
			JP 1992-47964	A 1992 0204
			US 1992-914342	B2 1992 0717
			JP 1992-318820	A 1992 1127
			JP 1992-318821	A 1992 1127
			JP 1992-95093	A1

1992
0415

US 1993-2870

A3
1993
0115

AB The resin composition, having tackiness at ordinary temperature, and long pot life, contain graft copolymer having ≥ 1 isocyanate group and Mn 10,000-20,000 or high-mol.-weight polymers having ≥ 1 isocyanate group and Mn 10,000-20,000; and low-mol.-weight polymers having or not having isocyanate group and Mn 500-8,000. It can be used as reactive hot-melt adhesives (which can omit hot press process), reactive hot-melt pressure-sensitive adhesives, or coating material.

IT 142875-56-7P 149868-96-2P 157096-05-4P
167685-73-6P 168146-12-1P

(isocyanate resin comps. for hot-melt pressure-sensitive adhesives)

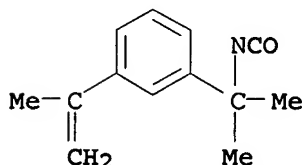
RN 142875-56-7 HCAPLUS

CN Acetic acid ethenyl ester, polymer with ethene and 1-(1-isocyanato-1-methylethyl)-3-(1-methylethenyl)benzene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 2094-99-7

CMF C13 H15 N O



CM 2

CRN 108-05-4

CMF C4 H6 O2



CM 3

CRN 74-85-1

CMF C2 H4



RN 149868-96-2 HCAPLUS

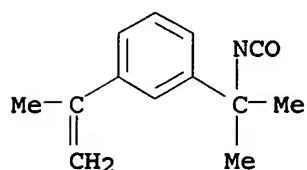
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with

ethenylbenzene, 2-ethylhexyl 2-propenoate, 1-(1-isocyanato-1-methylethyl)-3-(1-methylethenyl)benzene and 2-methyl-1,3-butadiene, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 2094-99-7

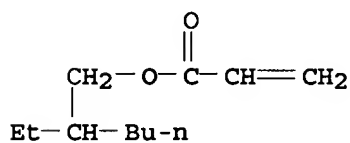
CMF C13 H15 N O



CM 2

CRN 103-11-7

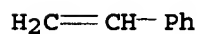
CMF C11 H20 O2



CM 3

CRN 100-42-5

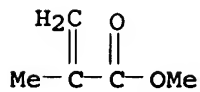
CMF C8 H8



CM 4

CRN 80-62-6

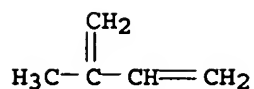
CMF C5 H8 O2



CM 5

CRN 78-79-5

CMF C5 H8



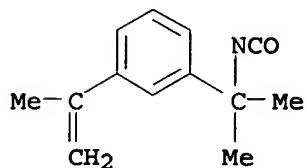
RN 157096-05-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
1,3-butadiene, ethenylbenzene, 2-ethylhexyl 2-propenoate and
1-(1-isocyanato-1-methylethyl)-3-(1-methylethenyl)benzene, block,
graft (9CI) (CA INDEX NAME)

CM 1

CRN 2094-99-7

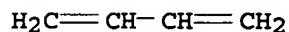
CMF C13 H15 N O



CM 2

CRN 106-99-0

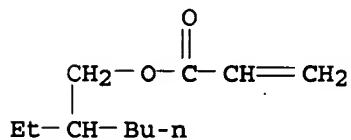
CMF C4 H6



CM 3

CRN 103-11-7

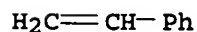
CMF C11 H20 O2



CM 4

CRN 100-42-5

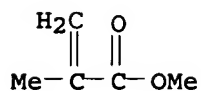
CMF C8 H8



CM 5

CRN 80-62-6

CMF C5 H8 O2



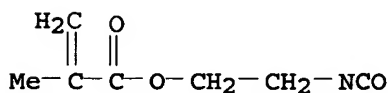
RN 167685-73-6 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-isocyanatoethyl ester, polymer with butyl 2-propenoate, ethenylbenzene and oxiranylmethyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)

CM 1

CRN 30674-80-7

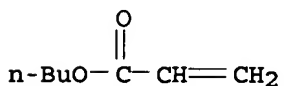
CMF C7 H9 N O3



CM 2

CRN 141-32-2

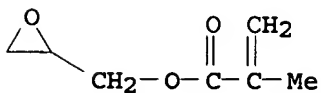
CMF C7 H12 O2



CM 3

CRN 106-91-2

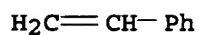
CMF C7 H10 O3



CM 4

CRN 100-42-5

CMF C8 H8



RN 168146-12-1 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 1,3-butadiene, ethenylbenzene, 2-ethylhexyl 2-propenoate, mDI-PH and methyl 2-methyl-2-propenoate, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 100630-04-4

CMF Unspecified

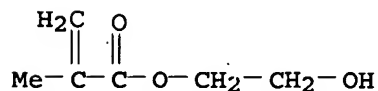
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 868-77-9

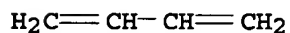
CMF C6 H10 O3



CM 3

CRN 106-99-0

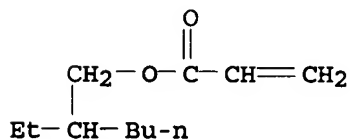
CMF C4 H6



CM 4

CRN 103-11-7

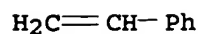
CMF C11 H20 O2



CM 5

CRN 100-42-5

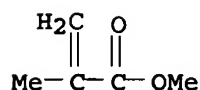
CMF C8 H8



CM 6

CRN 80-62-6

CMF C5 H8 O2



IT 106107-54-4P 694491-73-1P

(rubber, block, triblock, graft polymers with (meth)acrylates;
isocyanate resin compns. for hot-melt pressure-sensitive
adhesives)

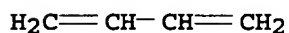
RN 106107-54-4 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, block (9CI) (CA
INDEX NAME)

CM 1

CRN 106-99-0

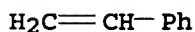
CMF C4 H6



CM 2

CRN 100-42-5

CMF C8 H8



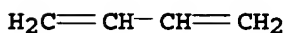
RN 694491-73-1 HCAPLUS

CN Benzene, ethenyl-, polymer with 1,3-butadiene, triblock (9CI) (CA
INDEX NAME)

CM 1

CRN 106-99-0

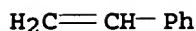
CMF C4 H6



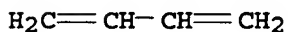
CM 2

CRN 100-42-5

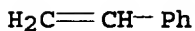
CMF C8 H8



IT 106107-54-4P
 (rubber, hydrogenated, block, graft polymers, isocyanate resin
 compns. for hot-melt pressure-sensitive adhesives)
 RN 106107-54-4 HCAPLUS
 CN Benzene, ethenyl-, polymer with 1,3-butadiene, block (9CI) (CA
 INDEX NAME)
 CM 1
 CRN 106-99-0
 CMF C4 H6



CM 2
 CRN 100-42-5
 CMF C8 H8



IC ICM C08L051-00
 ICS C08L053-00
 INCL 525071000
 CC 38-3 (Plastics Fabrication and Uses)
 Section cross-reference(s): 42
 ST hot melt pressure sensitive adhesive; graft copolymer
 pressure sensitive adhesive; styrene acrylate graft
 polymer adhesive; hydrogenated butadiene styrene block
 graft copolymer
 IT Rubber, butadiene-styrene, uses
 (block, triblock, graft polymers with (meth)acrylates;
 isocyanate resin compns. for hot-melt pressure-sensitive
 adhesives)
 IT Adhesives
 (hot-melt, pressure-sensitive, isocyanate resin compns. for
 hot-melt pressure-sensitive adhesives)
 IT Rubber, butadiene-styrene, uses
 (hydrogenated, block, graft polymers, isocyanate resin compns.
 for hot-melt pressure-sensitive adhesives)
 IT Rubber, synthetic
 (isoprene-styrene, block, triblock, graft polymers with
 (meth)acrylates; isocyanate resin compns. for hot-melt
 pressure-sensitive adhesives)
 IT Monomers
 (macro-, isocyanate resin compns. for hot-melt
 pressure-sensitive adhesives)
 IT Terpenes and Terpenoids, uses
 (polymers, graft; isocyanate resin compns. for hot-melt
 pressure-sensitive adhesives)

IT 30674-80-7DP, graft polymers with styrene-ethylene-butylene-styrene block copolymer 83729-36-6P 139769-49-6P
 142875-56-7P 149868-78-0P 149868-79-1P 149868-81-5P
 149868-96-2P 157096-05-4P 157096-07-6P
 159352-67-7P 159352-68-8P 159352-71-3P 167685-69-0P
 167685-70-3P 167685-71-4P 167685-72-5P 167685-73-6P
 167685-74-7P 167685-75-8P 167685-76-9P 167685-77-0P
 167685-78-1P 168146-11-0P 168146-12-1P
 (isocyanate resin compns. for hot-melt pressure-sensitive adhesives)

IT 9003-53-6DP, Polystyrene, methacrylate group-terminated
 9011-14-7DP, PMMA, vinyl group-terminated 9017-21-4DP,
 Poly(vinyltoluene), methacrylate group-terminated 9053-30-9DP,
 Poly(tert-butylstyrene), vinyl group-terminated 25014-31-7DP,
 Poly(α -methylstyrene), acrylate group-terminated
 (macromers; isocyanate resin compns. for hot-melt pressure-sensitive adhesives)

IT 106107-54-4P 694491-73-1P
 (rubber, block, triblock, graft polymers with (meth)acrylates; isocyanate resin compns. for hot-melt pressure-sensitive adhesives)

IT 106107-54-4P
 (rubber, hydrogenated, block, graft polymers, isocyanate resin compns. for hot-melt pressure-sensitive adhesives)

L56 ANSWER 21 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:511394 HCAPLUS

DOCUMENT NUMBER: 122:241403

TITLE: Actinic-radiation-curing hot-melt pressure-sensitive adhesive composition

INVENTOR(S): Itagaki, Makoto; Kawasaki, Eiichi; Shinkoda, Kazuya; Suewaka, Kousuke

PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Inc., Japan

SOURCE: Eur. Pat. Appl., 42 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 604949	A2	19940706	EP 1993-120959	1993 1227
EP 604949	A3	19950118		
EP 604949	B1	19961023		
R: DE, FR, GB				
US 5384341	A	19950124	US 1993-172805	1993 1227
JP 07173436	A2	19950711	JP 1993-350532	1993 1228
PRIORITY APPLN. INFO.:			JP 1992-348204	A 1992 1228

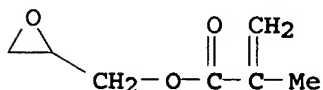
JP 1993-126831 A
1993
0528

JP 1993-275112 A
1993
1104

- AB The title composition, showing good workability in hot-melt coating and good heat resistance after curing and useful for pressure-sensitive adhesive tapes, sheets, and labels, comprises a mixture of a high-mol.-weight acrylic polymer containing a main chain having mol. weight 8,000-100,000 and a glass temperature between -20° and -75° and a branched chain, the main chain and/or branched chain having ≥ 1 ethylenically unsatd. group, and a low-mol.-weight polymer having mol. weight 500-8,000 and a glass temperature below 100° and optionally containing an ethylenically unsatd. group. An adhesive composition comprised a mixture of a high-mol.-weight copolymer prepared from an isoprene-styrene block copolymer, 2-ethylhexyl acrylate, Me methacrylate, m-isopropenyl- α, α' -dimethylbenzyl isocyanate, and 2-hydroxyethyl acrylate and a low-mol.-weight copolymer prepared from iso-Bu acrylate and Et methacrylate.
- IT 25167-42-4, Glycidyl methacrylate-styrene copolymer
38808-51-4, Acrylic acid-glycidyl methacrylate-styrene copolymer 162542-22-5, 2-Ethylhexyl acrylate-2-hydroxyethyl acrylate-isoprene-m-isopropenyl- α, α' -dimethylbenzyl isocyanatemethyl methacrylate-styrene copolymer 162542-25-8, Acrylonitrile-butadiene-2-ethylhexyl acrylate-2-hydroxyethyl acrylate-m-isopropenyl- α, α' -dimethylbenzyl isocyanate-methyl methacrylate-styrene copolymer 162542-30-5, Glycidyl methacrylate-2-Hydroxyethyl acrylate-styrene copolymer
(radiation-curable hot-melt pressure-sensitive adhesives containing)
- RN 25167-42-4 HCAPLUS
- CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with ethenylbenzene (9CI) (CA INDEX NAME)

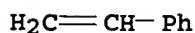
CM 1

CRN 106-91-2
CMF C7 H10 O3



CM 2

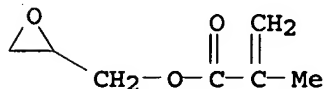
CRN 100-42-5
CMF C8 H8



RN 38808-51-4 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with
 ethenylbenzene and 2-propenoic acid (9CI) (CA INDEX NAME)

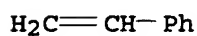
CM 1

CRN 106-91-2
 CMF C7 H10 O3



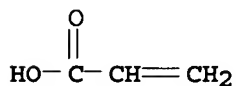
CM 2

CRN 100-42-5
 CMF C8 H8



CM 3

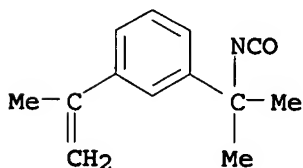
CRN 79-10-7
 CMF C3 H4 O2



RN 162542-22-5 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
 ethenylbenzene, 2-ethylhexyl 2-propenoate, 2-hydroxyethyl
 2-propenoate, 1-(1-isocyanato-1-methylethyl)-3-(1-
 methylethenyl)benzene and 2-methyl-1,3-butadiene (9CI) (CA INDEX
 NAME)

CM 1

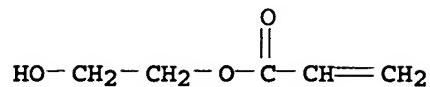
CRN 2094-99-7
 CMF C13 H15 N O



CM 2

CRN 818-61-1

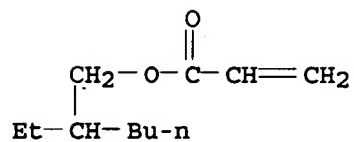
CMF C5 H8 O3



CM 3

CRN 103-11-7

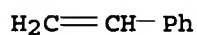
CMF C11 H20 O2



CM 4

CRN 100-42-5

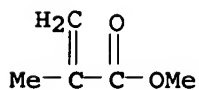
CMF C8 H8



CM 5

CRN 80-62-6

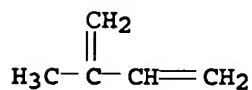
CMF C5 H8 O2



CM 6

CRN 78-79-5

CMF C5 H8



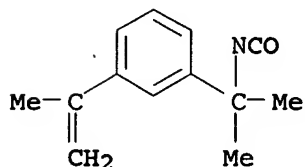
RN 162542-25-8 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
1,3-butadiene, ethenylbenzene, 2-ethylhexyl 2-propenoate,
2-hydroxyethyl 2-propenoate, 1-(1-isocyanato-1-methylethyl)-3-(1-
methylethenyl)benzene and 2-propenenitrile (9CI) (CA INDEX NAME)

CM 1

CRN 2094-99-7

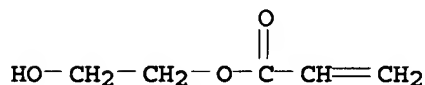
CMF C13 H15 N O



CM 2

CRN 818-61-1

CMF C5 H8 O3



CM 3

CRN 107-13-1

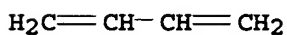
CMF C3 H3 N



CM 4

CRN 106-99-0

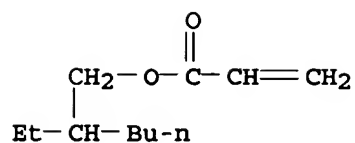
CMF C4 H6



CM 5

CRN 103-11-7

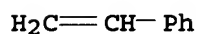
CMF C11 H20 O2



CM 6

CRN 100-42-5

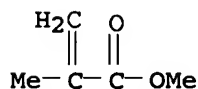
CMF C8 H8



CM 7

CRN 80-62-6

CMF C5 H8 O2



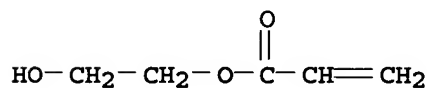
RN 162542-30-5 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with ethenylbenzene and 2-hydroxyethyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 818-61-1

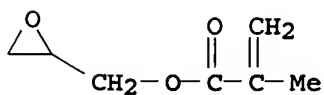
CMF C5 H8 O3



CM 2

CRN 106-91-2

CMF C7 H10 O3



CM 3

CRN 100-42-5
CMF C8 H8

$\text{H}_2\text{C}=\text{CH}-\text{Ph}$

IC ICM C08F299-00
ICS C09J155-00
CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 38
ST acrylic melt adhesive radiation curing; crosslinking
radiochem acrylic melt adhesive; pressure sensitive
adhesive radiation curing; isocyanate acrylic melt
adhesive curing; tape adhesive acrylic radiochem
curing; label adhesive acrylic radiochem curing
IT Adhesives
(hot-melt radiation-curable pressure-sensitive; acrylic polymer
mixts. for adhesive tapes and labels)
IT Adhesive tapes
Labels
(radiation-curable hot-melt pressure-sensitive acrylic
adhesives for)
IT Crosslinking
(radiochem., of hot-melt pressure-sensitive acrylic
adhesives for tapes and labels)
IT 25119-83-9, Acrylic acid-butyl acrylate copolymer
25167-42-4, Glycidyl methacrylate-styrene copolymer
25896-83-7, Acrylic acid-butyl acrylate-2-ethylhexyl
acrylate-glycidyl methacrylate copolymer 26141-88-8, Glycidyl
methacrylate-methyl methacrylate copolymer 26300-51-6, Acrylic
acid-butyl acrylate-methyl methacrylate copolymer 26660-36-6,
Butyl acrylate-glycidyl methacrylate copolymer 27458-40-8,
2-Hydroxyethyl acrylate-styrene copolymer 30261-69-9, Butyl
acrylate-glycidyl methacrylate-methyl methacrylate copolymer
30705-21-6, Acrylic acid-2-ethylhexyl acrylate-methyl methacrylate
copolymer 34012-30-1, Butyl acrylate-glycidyl
methacrylate-methacrylic acid copolymer 38808-51-4,
Acrylic acid-glycidyl methacrylate-styrene copolymer 64171-34-2,
Butyl acrylate-glycidyl acrylate copolymer 83729-36-6, Butyl
acrylate-2-isocyanatoethyl methacrylate-methyl methacrylate
copolymer 85445-88-1, Acrylic acid-2-ethylhexyl
acrylate-glycidyl methacrylate-methyl methacrylate copolymer
118778-14-6, Butyl acrylate-2-hydroxyethyl methacrylate-m-
isopropenyl- α,α' -dimethylbenzyl isocyanate-methyl
methacrylate copolymer 139322-57-9, Acrylic acid-ethyl
methacrylate-isobutyl acrylate copolymer 140693-66-9, Acrylic
acid-acrylonitrile-2-ethylhexyl acrylate-methyl
methacrylate-styrene copolymer 154957-46-7, Ethyl
methacrylate-isobutyl acrylate copolymer 159352-71-3, Ethyl
methacrylate-isobutyl acrylate-vinyl acetate copolymer
162542-22-5, 2-Ethylhexyl acrylate-2-hydroxyethyl
acrylate-isoprene-m-isopropenyl- α,α' -dimethylbenzyl
isocyanatemethyl methacrylate-styrene copolymer 162542-23-6,
Acrylic acid-butyl acrylate-2-methacryloyloxyethyl
isocyanate-styrene copolymer 162542-24-7, Acrylic acid-butyl
acrylate-2-methacryloyloxyethyl isocyanate-methyl methacrylate
copolymer 162542-25-8, Acrylonitrile-butadiene-2-
ethylhexyl acrylate-2-hydroxyethyl acrylate-m-

isopropenyl- α,α' -dimethylbenzyl isocyanate-methyl
methacrylate-styrene copolymer 162542-26-9, 2-Hydroxyethyl
acrylate-m-isopropenyl- α,α' -dimethylbenzyl
isocyanate-methyl methacrylate copolymer 162542-27-0, Butyl
acrylate-2-Hydroxyethyl acrylate-m-isopropenyl- α,α' -
dimethylbenzyl isocyanate-styrene copolymer 162542-28-1, Butyl
acrylate-2-hydroxyethyl acrylate-m-isopropenyl- α,α' -
dimethylbenzyl isocyanate copolymer 162542-29-2, Acryloyl
chloride-butyl acrylate-methyl methacrylate copolymer
162542-30-5, Glycidyl methacrylate-2-Hydroxyethyl
acrylate-styrene copolymer 162542-31-6, Butyl
acrylate-2-ethylhexyl acrylate-2-methacryloyloxyethyl isocyanate
copolymer 162542-32-7, Acrylic acid-butyl acrylate-2-ethylhexyl
acrylate-glycidyl acrylate copolymer
(radiation-curable hot-melt pressure-sensitive
adhesives containing)

L56 ANSWER 22 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:441615 HCAPLUS

DOCUMENT NUMBER: 123:11339

TITLE: Polyurethane composites with modified
propylene polymers

INVENTOR(S): Shibata, O.; Kinoshita, Masashi; Niwa, Toshio

PATENT ASSIGNEE(S): Dainippon Ink & Chemicals, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07009637	A2	19950113	JP 1993-158813	1993 0629

PRIORITY APPLN. INFO.: JP 1993-158813

1993
0629

AB Title composites comprise polyurethanes and propylene-based
polyolefins prepared by melt-kneading graft polymerization with aromatic vinyl
monomers, and show improved rigidity, impact strength, and
adhesion of the polyolefins to the (cellular)
polyurethanes. Thus, 920 parts of a composition of Hipol B 200P 1000,
Irganox 1010 0.5, Phosphite 168 (antioxidants) 0.5, and Ca
stearate 1.0 part was mixed with styrene 50, glycidyl methacrylate
30, and Perhexyn 25B, melt-kneaded, molded at 190° then the
resulted 300- μ m sheet was set in a mold, Hiprox (foamable
polyurethanes) was introduced in the mold, and foamed under
pressure at 40° for 4 min to give a composite sheet showing
interlayer peeling strength 495 g/cm, flexural modulus 1.65
+ 104 kg/cm², and impact strength 9.8 kg-cm/cm².

IT 116945-18-7P, Glycidyl methacrylate-propylene-styrene
graft copolymer 142114-32-7P, 2-Hydroxyethyl
methacrylate-propylene-styrene graft copolymer
(composites of (cellular) polyurethanes and melt-kneading
grafted polypropylene)

RN 116945-18-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with ethenylbenzene and 1-propene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 115-07-1

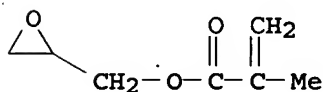
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CM 2

CRN 106-91-2

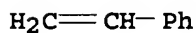
CMF C7 H10 O3



CM 3

CRN 100-42-5

CMF C8 H8



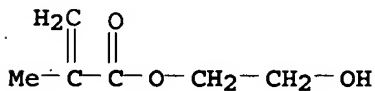
RN 142114-32-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with ethenylbenzene and 1-propene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 868-77-9

CMF C6 H10 O3



CM 2

CRN 115-07-1

CMF C3 H6



CM 3

CRN 100-42-5

CMF C8 H8

 $\text{H}_2\text{C}=\text{CH}-\text{Ph}$

IC ICM B32B027-32

ICS B32B005-18; C08L023-02; C08L075-04

ICA C08F255-02

CC 38-3 (Plastics Fabrication and Uses)

Section cross-reference(s): 37

ST grafted propylene polymer polyurethane composite; cellular polyurethane composite modified polypropylene; melt kneading grafting propylene polymer; styrene propylene graft copolymer blend; glycidyl methacrylate propylene graft copolymer; adhesion strength polyurethane polypropylene composite; impact strength polyurethane polypropylene composite

IT 116945-18-7P, Glycidyl methacrylate-propylene-styrene graft copolymer 142114-32-7P, 2-Hydroxyethyl methacrylate-propylene-styrene graft copolymer (composites of (cellular) polyurethanes and melt-kneading grafted polypropylene)

L56 ANSWER 23 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:438010 HCAPLUS

DOCUMENT NUMBER: 122:189729

TITLE: Modified polypropylene-polyester laminates with good interlayer adhesion and heat resistance

INVENTOR(S): Shibata, O.; Kinoshita, Masashi; Suzuki, Osamu

PATENT ASSIGNEE(S): Dainippon Ink & Chemicals, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06238846	A2	19940830	JP 1993-29022	1993 0218
PRIORITY APPLN. INFO.:				1993 0218

AB The title laminates comprise a modified polypropylene layer and an aromatic polyester layer where the modified polypropylene layer is obtained by kneading a polypropylene melt with aromatic vinyl compds. and functional unsatd. compds. in the presence of a radical initiator. Mixing a polypropylene (Hipol B200P) 950 with Irganox 1010 0.48, Phosphite 168 0.48 and Ca stearate 0.95, adding styrene 30, glycidyl methacrylate 20 and Perhexyn 25B 1.5 parts and kneading in a twin-screw extruder at 200° gave a grafted polypropylene. Laminating an extruded sheet of the grafted

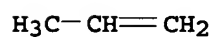
polypropylene with a PET polyester film at 235° and 150 atm gave a laminate with good interlayer **adhesion**.

IT 108815-41-4, Maleic anhydride-propylene-styrene graft copolymer 116945-18-7, Glycidyl methacrylate-propylene-styrene graft copolymer 142114-32-7
(modified polypropylene-polyester laminates with good interlayer **adhesion** and heat resistance)
RN 108815-41-4 HCAPLUS
CN 2,5-Furandione, polymer with ethenylbenzene and 1-propene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 115-07-1

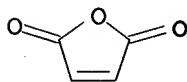
CMF C3 H6



CM 2

CRN 108-31-6

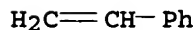
CMF C4 H2 O3



CM 3

CRN 100-42-5

CMF C8 H8



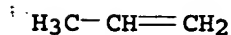
RN 116945-18-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with ethenylbenzene and 1-propene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 115-07-1

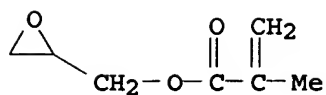
CMF C3 H6



CM 2

CRN 106-91-2

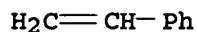
CMF C7 H10 O3



CM 3

CRN 100-42-5

CMF C8 H8



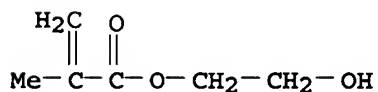
RN 142114-32-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with ethenylbenzene and 1-propene, graft (9CI) (CA INDEX NAME)

CM 1

CRN 868-77-9

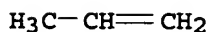
CMF C6 H10 O3



CM 2

CRN 115-07-1

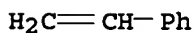
CMF C3 H6



CM 3

CRN 100-42-5

CMF C8 H8



IC ICM B32B027-32

ICS B32B027-08; B32B027-36; C08L051-06; C08L067-03

CC 38-3 (Plastics Fabrication and Uses)

IT Plastics, laminated

(modified polypropylene-polyester laminates with good interlayer adhesion and heat resistance)

IT 25038-59-9, PET polyester, uses 108815-41-4, Maleic anhydride-propylene-styrene graft copolymer 116945-18-7,

Glycidyl methacrylate-propylene-styrene graft copolymer
142114-32-7

(modified polypropylene-polyester laminates with good
interlayer adhesion and heat resistance)

L56 ANSWER 24 OF 48 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:305093 HCAPLUS

DOCUMENT NUMBER: 122:57805

TITLE: Reactive hot-melt adhesive
compositions

INVENTOR(S): Kawasaki, Eiichi; Shinoda, Kazuya; Kitamura,
Tadashi; Yashiro, Kenichi; Suewaka, Kosuke

PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 06192636	A2	19940712	JP 1992-346336	1992 1225
JP 3296865	B2	20020702		
PRIORITY APPLN. INFO.:			JP 1992-346336	1992 1225

AB Adhesive compns. consist of (1) 10-90 weight% of graft copolymers with number-average mol. weight 10,000-200,000 and made by grafting vinyl-containing macromonomers or thermoplastic resins with vinyl- and isocyanato-containing monomers, acrylic monomers, and other monomers, (2) 10-90 weight% polymers with number-average mol. weight 500-8000, and (3) 1-35 phr waxes with m.p. 50-150°. One such composition contained 80 parts of a graft copolymer made from butylene-ethylene-styrene block copolymer, 2-ethylhexyl acrylate, Me methacrylate, m-isopropenyl- α,α -dimethylbenzyl isocyanate, 20 parts iso-Bu acrylate-Et methacrylate copolymer, and 25 parts paraffin wax with m.p. 70°. The adhesives are useful in the manufacture of paper honeycomb core-containing metal, wood, or plastic panels.

IT 160348-16-3P 160348-22-1DP, hydrogenated
160348-25-4DP, hydrogenated 160348-26-5P
160348-27-6DP, hydrogenated 160348-28-7DP,
hydrogenated 160348-31-2P 160348-33-4P
(reactive hot-melt adhesive compns.)

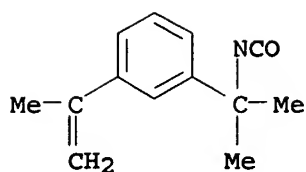
RN 160348-16-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1-butene, ethene, ethenylbenzene, 2-ethylhexyl 2-propenoate and 1-(1-isocyanato-1-methylethyl)-3-(1-methylethenyl)benzene, block, graft (9CI) (CA INDEX NAME)

CM 1

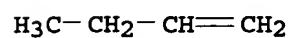
CRN 2094-99-7

CMF C13 H15 N O



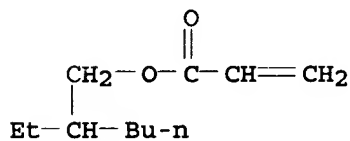
CM 2

CRN 106-98-9
CMF C4 H8



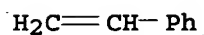
CM 3

CRN 103-11-7
CMF C11 H20 O2



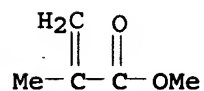
CM 4

CRN 100-42-5
CMF C8 H8



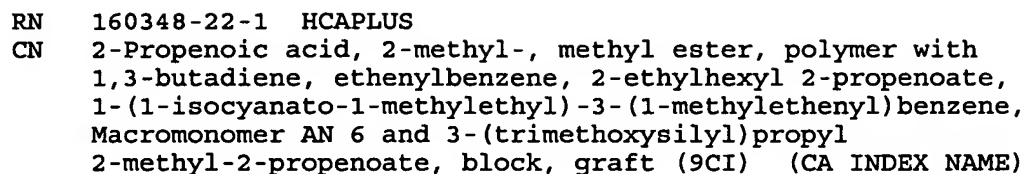
CM 5

CRN 80-62-6
CMF C5 H8 O2



CM 6

CRN 74-85-1
CMF C2 H4

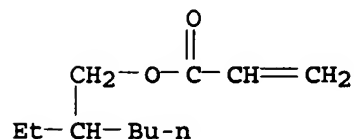


CCI PMS, MAN

CMF C10 H20 O5 Si

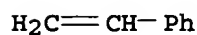


CRN 103-11-7
CMF C11 H20 O2



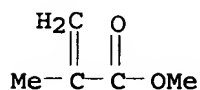
CM 6

CRN 100-42-5
CMF C8 H8



CM 7

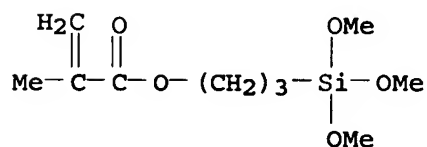
CRN 80-62-6
CMF C5 H8 O2



RN 160348-25-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with
1,3-butadiene, ethenylbenzene, 2-ethylhexyl 2-propenoate,
1-(1-isocyanato-1-methylethyl)-3-(1-methylethenyl)benzene,
2-propenenitrile and 3-(trimethoxysilyl)propyl
2-methyl-2-propenoate, block, graft (9CI) (CA INDEX NAME)

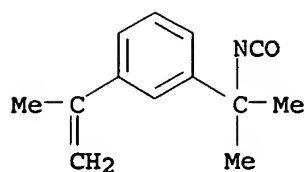
CM 1

CRN 2530-85-0
CMF C10 H20 O5 Si



CM 2

CRN 2094-99-7
CMF C13 H15 N O



CM 3

CRN 107-13-1

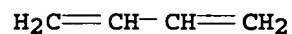
CMF C3 H3 N



CM 4

CRN 106-99-0

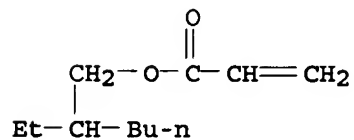
CMF C4 H6



CM 5

CRN 103-11-7

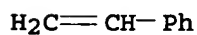
CMF C11 H20 O2



CM 6

CRN 100-42-5

CMF C8 H8



CM 7

CRN 80-62-6

CMF C5 H8 O2